



Phase I Environmental Site Assessment

580-610 Gerard Avenue, Bronx, New York

Submitted to:

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c/o Silverback Acquisitions, LLC, and
Willton Investment Management
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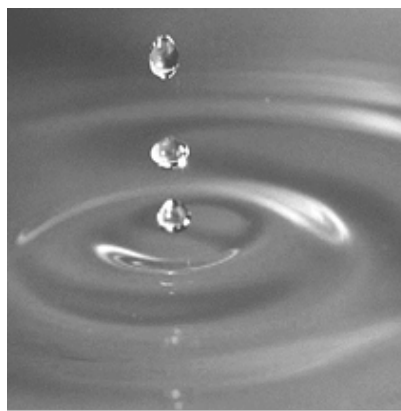


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Executive Summary

GEI Consultants, Inc., P.C. (GEI) conducted a Phase I Environmental Site Assessment (ESA) on behalf of SB Gerard Avenue and Willton Investment Management, at 580-610 Gerard Avenue, New York. This site is identified in this report as the “project site.”

It should be noted that previous Phase I ESA Reports were completed in January 2011, December 2015, and September 2018 for the project site. Additionally, a Phase II ESA was completed in September 2018 for the project site. The 2011 Phase I ESA was performed by EEA, Inc. for Sam Schwartz Engineering of New York, New York on behalf of EMMES Asset Management Company Ltd., LLC. The December 2015 Phase I ESA and the 2018 Phase II ESA were conducted by GEI. Compared to the findings within the Phase I ESA performed for this site in January 2011 by EEA, Inc., December 2015 by GEI, and September 2018 by GEI, no significant changes to the building had been identified.

The project site is occupied by a single-story garage building. The subject building, which measures approximately 31,200 square feet in area, primarily covers the project site, with the exception of a 3-foot path on the east side of the building. The building is currently vacant and was most recently utilized as a furniture warehouse. No visible indications of on-site waste disposal of toxic and/or hazardous materials were observed at the time of inspection. No operations involving the use of toxic or hazardous materials were present on the project site at the time of the site assessment.

GEI’s analysis of historical information indicated the subject building was constructed circa 1950 for use as a vehicle maintenance and storage facility for the U.S. Post Office until circa 2001. From circa 2001 through 2007, the building was utilized for automotive service, vehicle repair, and parking. After 2007, the project site was occupied by a construction company for general office use and storage until circa 2010 when it was vacated. The project site was then utilized as a furniture warehouse from 2011 through at least 2015. The project site has since been vacant.

The objective of this assessment was to evaluate the property for evidence of recognized environmental conditions (RECs). A *recognized environmental condition* is defined in ASTM E1527-13 as “the presence or likely presence of any hazardous substances or petroleum products in, on or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimus conditions are not recognized environmental conditions.” Based upon the findings of this report, the following RECs are summarized as follows:

- Based on the evaluation of readily available information obtained during this Phase I ESA, according to the scope and limitations as defined in the Phase I ESA, and GEI's professional judgment, RECs were identified that could be attributed to past and present occupants or uses associated with the subject property. These RECs include the New York City Department of Finance Classification listing as a garage and gas station, the presence of underground gasoline tanks, underground fuel oil tanks, hydraulic lifts, and floor drains.

A Phase II Environmental Site Assessment was conducted by GEI in September 2018 to address these RECs. The findings of this Phase II ESA are summarized below:

Isolated volatile organic compound (VOC) impacts including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, chloroform, isopropylbenzene, n-butylbenzene, n-propylbenzene, and naphthalene were detected at concentrations above the applicable standards in one groundwater sample. These limited groundwater impacts were observed beneath the hydraulically upgradient corner of the project site, and not in the vicinity of any of the recognized environmental conditions (RECs) (i.e., former gasoline and fuel oil underground storage tanks [USTs], hydraulic lifts, floor drains, etc.) identified in the Phase I ESAs previously conducted for the project site. Therefore, they are most likely attributable to an upgradient, off-site source. VOCs were detected in soil vapor at predominantly low levels throughout the project site. However, elevated tetrachloroethene was detected in one soil vapor sample.

- Additionally, as part of a zoning change or action, the City of New York (NYC) Department of City Planning and City Council has labeled the project site as part of an E-Designated area of New York City. An E-Designation is a NYC zoning map designation that indicates the presence of an environmental requirement pertaining to potential Hazardous Material Contamination, Window/Wall Noise Attenuation, or Air Quality impacts on a particular tax lot. These environmental requirements are administered by the NYC Office of Environmental Remediation (OER).

On May 22, 2013, this site had been assigned E-Number, E-292, and is described as being classified under the Hazardous Materials Phase I and Phase II Testing Protocols.

See Section 9.0 for detailed information regarding the above summarized RECs.

A historical recognized environmental condition (HREC) is defined as “a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”

- HRECs were identified in connection with two closed New York State Department of Environmental Conservation (NYSDEC) Spill Incidents associated with the project site.

See section 9.0 for detailed information regarding these HRECs.

Controlled Recognized Environmental Conditions (CRECs) are those RECs that have been addressed to the satisfaction of the regulatory agency but require the ongoing use of engineering or institutional controls in order to remain in compliance.

- No CRECs were identified during this assessment.

Non-ASTM Scope Considerations pertaining to suspected asbestos-containing materials and lead-based painted surfaces were noted within the subject building.

1. Introduction

1.1 Purpose

GEI Consultants, Inc., P.C. (GEI) has prepared this Phase I Environmental Site Assessment (ESA) Report, in compliance with the scope and limitations of ASTM International (ASTM) Standard Practice E 1527-13. GEI declares that to the best of our knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312, and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the project site. Furthermore, GEI has developed and performed all appropriate inquiry (AAI) in conformance with the standards and practices set forth in 40 CFR Part 312. Copies of the resumes for the personnel who participated in the preparation of this report can be found in **Appendix A**.

The goal of the Phase I ESA is to identify “Recognized Environmental Conditions” (RECs). A *recognized environmental condition* is defined in ASTM E1527-13 as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimus conditions are not recognized environmental conditions.”

An evaluation of business environmental risk associated with the parcels of land may necessitate investigation beyond that identified in this practice. Additional site investigations that may be required based on the findings and conclusions of the Phase I ESA are not necessary and have not been included with this report.

This Phase I ESA provides information regarding the potential presence of hazardous substances or petroleum products for the parcel of land denoted as Block 2353, Lot 1 at 580-610 Gerard Avenue, Bronx, New York, and will be referred to in this report as the “project site.”

GEI was retained by SB Gerard Avenue and Willton Investment Management to prepare this Phase I ESA of the project site.

The scope of the Phase I ESA was as follows:

- Conduct a municipal, state, and federal database and regulatory file review of the property and relevant adjoining properties;
- Assess potential environmental receptors (i.e., groundwater, surface water, and water supplies);

- Describe site geology;
- Perform site reconnaissance to assess visible signs of potential environmental impairment;
- Summarize the findings relative to the potential presence of hazardous substances or petroleum products at the project site; and
- Recommend additional investigations at the project site, if necessary.

1.2 Limitations and Exceptions

This Phase I ESA was prepared in accordance with GEI's proposal dated April 30, 2020. The scope of services did not include the assessment of considerations not within the scope of the ASTM Phase I ESA standard (i.e., non-scope considerations). These include Lead in Drinking Water, Wetlands, Regulatory Compliance, Cultural and Historic Risks, Industrial Hygiene, Health and Safety, Ecological Resources, Endangered Species, Indoor Air Quality, Biological Agents, and High Voltage Power Lines.

1.3 Data Gaps

No significant data gaps impacting GEI's ability to identify RECs or impact the conclusions of this Phase I ESA were identified.

1.4 Background

According to the New York City Department of Buildings (NYCDOB), the project site parcel is listed as Block 2353, Lot 1. The project site covers 31,200 square feet and is in a residentially zoned area of the Bronx, New York. The project site is located on the northeastern corner at the intersection of Gerard Avenue and East 150th Street. Its location is shown on **Figure 1** – Site Location Map and **Figure 2** – 1996 Sanborn Map.

It should be noted that previous Phase I ESA Reports were completed in January 2011 and December 2015, and September 2018. Additionally, a Phase II ESA was completed in September 2018 for the project site. The 2011 Phase I ESA was performed by EEA, Inc. for Sam Schwartz Engineering of New York, New York on behalf of EMMES Asset Management Company Ltd., LLC. The December 2015 Phase I ESA, the 2018 Phase I ESA, and 2018 Phase II ESA were conducted by GEI. Compared to the findings within the Phase I ESA performed for this site in January 2011 by EEA, Inc., December 2015 by GEI, and September 2018 by GEI, no significant changes to the building had been identified.

1.4.1 Property Ownership

According to the New York City Department of Finance, the project site is owned by NRP LLC I.

1.4.2 Adjacent Land Use

Adjacent land use is an important consideration in the evaluation of property conditions, given that the groundwater and surface water flow create possible pathways for contaminant migration. The area surrounding the project site consists of residential, industrial, and commercial properties. Adjacent land use is as follows:

- North: Single-story warehouse/garage building
- West (across Gerard Avenue): Two-story mixed-use building used as a storage facility and its associated parking lot
- South (across 150th Street): Single-story warehouse/garage building
- East: A small garage and residential buildings

1.4.3 Site Improvements

At the time of GEI's site inspection, the project site was occupied by a single-story garage building. The subject building, which measures approximately 31,200 square feet in area, primarily covers the project site, with the exception of a 3-foot path on the east side of the building.

The subject building has a cement floor and the walls are concrete block construction. There is a small basement that contains the former oil-fired boiler heating system and is located along the Gerard Avenue side of the building.

Utilities supplied to the subject building include, electric, and sewer services. Heating is supplied by an overhead natural gas-fired forced air heating system.

Within the building were three concrete block structures/offices. The smallest of the three was located within the northeastern quadrant of the building. It was completely vacant and had an exhaust/ventilation pipe leading up through the roof. This could have been utilized for the storage of flammables. The concrete block office area on the eastern side of the building was also completely vacant and may have been utilized for parts and equipment storage. The concrete block office area on the west side of the building appeared to contain office space, bathrooms/locker rooms, etc.

Finally, consistent with the findings within the Phase I ESA performed for this site in January 2011 by EEA, Inc., the 2015 Phase I ESA performed by GEI, and the 2018 Phase I ESA performed by GEI, no significant changes to the building had been identified.

2. User-Provided Information

“User” is defined in ASTM E1527-13 as *“the party seeking to use Practice E1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of the property, a potential tenant of the property, an owner of the property, a lender, or property manager.”* ASTM E1527-13 further describes that according to the “All Appropriate Inquiries” Final Rule (40 CFR Part 312) that tasks be performed “by or on behalf of a party seeking to qualify for Limited Liability Protection (LLP) to Comprehensive Environmental Response, Compensation, and Liability (CERCLA) liability.” Additionally, that the environmental professional conducting the Phase I ESA shall request that the user provide results to tasks detailed in ASTM E1527-13 Section 6, *“as such information can assist the environmental professional in identifying recognized environmental conditions”* associated with the project site.

Based upon the above, a User Questionnaire was completed by Mr. W. A. Scully, a representative of the purchasing entity, for characterizing relative environmental risks for commercial purposes, as part of a client's regulatory requirement for conducting AAI to support any one of the three legal defenses against CERCLA liability, or other stated purposes (**Appendix B**). The following pertinent information is documented within this Questionnaire.

- Mr. Scully stated that the purpose of this Phase I ESA is for the potential purchase of the project site.
- Mr. Scully stated that to the best of his knowledge, he is unaware of any environmental cleanup liens against the project site that is filed or recorded under federal, tribal, state, or local law. In addition, Mr. Scully is unaware of any Activities and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the project site and/or have been filed or recorded in a registry under federal, tribal, state, or local law.
- Mr. Scully stated he does not have any specialized knowledge or experience with regard to any chemicals and/or processes used by current occupants of the project site or adjoining properties. Mr. Scully stated he has no knowledge with regard to the following items on the project site: specific chemicals that are present or once were present, on-site spills or other chemical releases, or environmental cleanups that have taken place. Additionally, Mr. Scully stated that based on his knowledge and experience related to the project site, there are no obvious indicators that point to the presence or likely presence of contamination at the project site.

3. Site History

Primary sources for the history of New York City (NYC) sites include historical fire insurance/real estate atlases, as well as the available records of the NYCDOB concerning permits for new buildings, certificates of occupancy, alterations, demolitions, and other changes at the project site and address directories.

3.1 Historical Maps

Historical Sanborn fire insurance maps (1908, 1935, 1946, 1951, 1981, and 1996) were reviewed (**Appendix C**). These atlases are another source for the history of structures on the project site and may indicate property use and the presence of buried gasoline tanks. Supplemental information regarding historical building occupants and property use were provided through review of available NYCDOB database records for the project site.

Year of Historical Sanborn Maps	Property Use
1908, 1935, and 1946	These maps depict the project site to be undeveloped.
1951	This map depicts the current building on the project site as being constructed in 1950, as a Post Office Garage.
1981 and 1996	These maps depict the same characteristics as on the previous 1951 map.

3.2 Building Department Information

GEI reviewed readily available information relating to the project site supplied by the NYCDOB, Building Information Search website and is described as follows:

Block and Lot	Associated Address	Building Department Information
Block 2353, Lot 1	586 & 610 Gerard Avenue & 121 East 150 th Street	The addresses that are depicted under this Block and Lot number are 121 East 150th Street and 586 and 610 Gerard Avenue. All are associated with Building Identification Numbers 2001115. New York City Department of Finance Classification is listed as garage and gas station (G2). Zoning for the project site is listed as Residential (R7A with a commercial overlay [C2-4]). CO ALT No. 200693213 issued December 5, 2008 documented the following building use: Cellar – Boiler room; First Floor – Auto Mechanic and Auto Repair Shop. In conjunction with this CO, the Fire Department of the City of New York (FDNY) approved the installation of an oil burner, fire equipment and combustible storage.

Additionally, since the original Phase I ESA was performed in 2011, as part of a zoning change or action, the City of New York Department of City Planning and City Council has labeled the project site as part of an E-Designated area of NYC. An E-Designation is a NYC zoning map designation that indicates the presence of an environmental requirement pertaining to potential Hazardous Material Contamination, Window/Wall Noise Attenuation,

or Air Quality impacts on a particular tax lot. These environmental requirements are administrated by the NYC Office of Environmental Remediation (OER).

On May 22, 2013, this site had been assigned E-Number, E-292, and is described as being classified under the Hazardous Materials Phase I and Phase II Testing Protocols.

3.3 Reverse Address Directory Information

Given the known historical uses of the project site, no reverse address directory information was obtained as part of this assessment.

3.4 Historical Information from 2011, 2015 and 2018 Phase I ESAs

During the EEA Phase I ESA performed in 2011, an interview was performed with Mr. Jonathan Ratner, who was one of the owners at that time. According to information provided by Mr. Ratner, the subject building had been utilized as the vehicle maintenance facility for the US Postal Service until they vacated the building in May 2001. From August 2001 through August 2006, the project site was occupied by Autorama Parking Industries, Inc., and was utilized for storage, service, and repair of automotive vehicles. From September 2006 through December 2007, the building was utilized as a parking lot and from January 2010 through January 2011, the building had been occupied by Turner Construction for general office use and storage.

The December 2015 Phase I ESA and the 2018 Phase I ESA were conducted by GEI. Compared to the findings within the Phase I ESA performed for this site in January 2011 by EEA, Inc., December 2015 by GEI, and September 2018 by GEI, no significant changes to the building have been identified.

3.5 Historical Information from 2018 Phase II ESA

A Phase II Environmental Site Assessment was conducted by GEI in September 2018. The Phase II ESA consisted of conducting a geophysical survey, and the collection of 15 soil samples, four soil vapor samples, and two groundwater samples. The findings of this Phase II ESA are summarized below:

Isolated volatile organic compound (VOC) impacts including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, chloroform, isopropylbenzene, n-butylbenzene, n-propylbenzene, and naphthalene were detected at concentrations above the applicable standards in one groundwater sample. These limited groundwater impacts were observed beneath the hydraulically upgradient corner of the project site, and not in the vicinity of any of the recognized environmental conditions (RECs) (i.e., former gasoline and fuel oil underground storage tanks [USTs], hydraulic lifts, floor drains, etc.) identified in the Phase I ESAs

previously conducted for the project site; therefore, they are most likely attributable to an upgradient, off-site source.

VOCs were detected in soil vapor at predominantly low levels throughout the project site. However, elevated tetrachloroethene was detected in one soil vapor sample.

Based upon the above findings, it is GEI's professional opinion that no further investigations/actions are necessary with regard to this subsurface investigation at present. If redevelopment is considered for this property, as required by the NYCOER E-designation program, prior to redevelopment, a Remedial Action Work Plan (RAWP) would be prepared and a remedy will be selected based on the remedial investigation results in conjunction with the proposed redevelopment to address the soil, soil vapor, and groundwater impacts that are present on the project site. Where soil/fill beneath the building will be disturbed, the soil/fill will require appropriate characterization prior to off-site disposal. Additionally, any former features related to the previous garage operations (i.e., hydraulic lifts) and former underground storage tanks should be decommissioned, removed and disposed of in accordance with applicable regulations. Other typical measures employed during construction within New York City, including waterproofing/vapor barrier membranes and connection to public water supply would likely be included in the remedy selection process.

3.6 Internet Information

GEI reviewed the historical photographs of the building depicted on Google Maps for various years between 2007 and 2019. The 2007, 2009, 2011, and 2014, 2016, 2017 & 2019 street view photographs of the building indicate the same building and there was no signage depicting an occupant.

3.7 Summary of Site History

GEI's analysis of historical information indicated the subject building was constructed circa 1950 for use as a vehicle maintenance and storage facility for the U.S. Post Office until circa 2001. From circa 2001 through 2007, the building was utilized for automotive service, vehicle repair and parking. From 2007-2010, the project site was occupied by a construction company for general office use and storage. Finally, the project site was utilized as a furniture warehouse from 2011 through at least 2015. The project site has been vacant since it was utilized as a furniture warehouse.

Based on the specific nature of the identified operations, except for the office and storage use, the historical business operations identified involved the storage and use of hazardous substances and/or petroleum products, and/or generate hazardous and petroleum wastes.

3.8 Summary of Historical Use for Adjoining Properties

Surrounding properties consisted of residential buildings with some having neighborhood grocery stores, retail businesses, and offices. Additionally, there were industrial warehouse type buildings to the west and south of the project site. No gasoline or major manufacturing facilities were identified.

3.9 Previous Environmental Reports

As stated earlier in this report, previous Phase I ESA Reports were completed in January 2011 by EEA, Inc. and in 2015 and 2018 by GEI. The 2011 Phase I ESA was performed for Sam Schwartz Engineering of New York, New York on behalf of EMMES Asset Management Company Ltd., LLC and the 2015 Phase I ESA was prepared on behalf of EMMES Asset Management Company Ltd. LLC. The 2018 Phase I ESA was prepared on behalf of Hunton Andrews Kurth LLP.

The conclusions of these reports revealed that similar RECs were identified that pertained to gasoline storage tanks, hydraulic lift units, a fuel oil storage tank, and interior floor drains.

A Phase II ESA was performed by GEI in September 2018. Details on the findings of the Phase II Subsurface Investigation report are found in **Appendix D**.

4. Physical Setting

4.1 Topography

The project site is mapped on the Central Park Quad, New York topographic map (**Figure 1**). The general elevation for the area where the project site is located is depicted as approximately 25-35 feet above mean sea level.

From observations made during GEI's site assessment, as well as information obtained from the topographic map, the topography of the project site, as well as the surrounding area, slopes generally in a southwesterly direction.

4.2 Flood Plain Information

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (#3604970083F), the project site falls within Zone X, which is an area outside a flood zone.

4.3 Site Drainage

The project site was visually checked for the presence of drainage structures, which may provide routes for hazardous substance or petroleum product migration to surface soils or sewer systems.

Interior floor drains were observed in the floor throughout the building. Given that this building was constructed in the 1950s, it is likely that these drains discharge to the municipal sewer system. No exterior storm drains were noted at the time of GEI's site visit.

4.4 Monitoring/Observation Wells

There was one monitoring/observation well observed on the project site at the time of GEI's site inspection. This well was located in the northwest corner of the building interior and consisted of two-inch PVC piping extending approximately 1 foot above the ground surface. According to the site Superintendent, Mr. Robert Rodriguez, this monitoring well had been previously installed during a geotechnical investigation conducted by others approximately two years ago.

4.5 Groundwater Flow

Groundwater flow direction often coincides with surface topography. However, flow is also influenced by aquifer type, depth to bedrock, waterways near the site, groundwater use, and

subsurface structures. Generally, groundwater flows from topographic high points to low points. Based on the topography of the project site and vicinity, local groundwater flow is inferred to be in a south-southwesterly direction.

4.6 Site Hydrogeology

The Bronx is underlain by three principal bedrock formations: Inwood Marble, Fordham Gneiss, and Manhattan Schist. The strata of these rock types have been folded by forces produced by movements in the earth's crust, and the resulting pattern has produced a series of ridges and valleys. The rock of Inwood Marble is soluble in even slightly acidic water and has been eroded through time to form lowlands and valleys, including the channel of the Harlem River. Further erosion of the marble, as well as the schist and gneiss occurred later in time, as the surface of rock in New York City was covered by massive glaciers. Besides the erosion that they produce, the glaciers transported broken-up rock fragments from areas to the north and deposited them in many areas of the Bronx. Meltwater streams produced by the glaciers occupied the valleys of Inwood Marble, and they in turn produced outwash sand deposits. These permeable deposits, in combination with solutional fractures present in the limestone, account for the ability of the areas underlain by Inwood Marble to yield significant quantities of groundwater.

Recharge of groundwater in the Bronx is chiefly from precipitation. Possible secondary sources include lateral underground flow from Westchester County, as well as leakage from water mains and sewer lines. Areas of the Bronx, in which clay deposits from former glacial lake beds formed marshes, may contain minor quantities of groundwater, which do not readily percolate downward due to the impermeability of these materials. The schist and gneiss are also relatively impermeable and have historically yielded relatively minor quantities of water to wells. Uses of groundwater in the Bronx, other than for domestic purposes, have included water withdrawals of cooling, air conditioning, washing and flushing, and laundering. Today, public water supply for the Bronx comes from the upstate reservoirs which supply the City of New York.

4.7 Water Supply

Potable water for the project site is provided by the City of New York. No on-site water supply wells were observed.

5. Environmental Records Review

GEI obtained and evaluated the readily available and most recent environmental regulatory agency database records provided by Toxics Targeting, Inc. of Ithaca, New York (**Appendix E**). This report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Environmental Site Assessments (E 1527-13).

GEI's review of available and most recent federal and state agency database records for the project site, adjacent/contiguous properties, and surrounding neighborhood was completed according to the requirements set forth in ASTM E 1527-13, Section 8. The search distances reviewed for this assessment generally meet or exceed the minimum search distances according to the requirements set forth in ASTM E 1527-13, Section 8.2.1. Any deviations from the minimum search distances are addressed in the individual database discussions presented below.

Federal Regulatory Database Search

NPL Sites

The United States Environmental Protection Agency (USEPA) National Priorities List (NPL) identifies confirmed hazardous waste sites that are ranked for clean-up under the federal Superfund program. This program was authorized by the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 ("CERCLA" or "Superfund"), as amended by Superfund Amendments and Reauthorization Act of 1986 ("SARA") and Small Business Liability Relief and Brownfields Revitalization Act of 2002 ("Brownfields Amendments").

The project site was not identified within this database. There were no USEPA NPL sites identified within an approximate 1-mile radius of the project site.

CERCLIS

The USEPA CERCLA Information System (CERCLIS), which is a comprehensive database and management system that inventories, and tracks sites addressed or needing to be addressed by the Superfund program. Sites that USEPA decides do not warrant further evaluation are given a "No Further Remedial Action Planned (NFRAP)" designation by USEPA, which means that no further action under CERCLA is presently anticipated for that site. A "NFRAP" designation does not necessarily indicate that there is no hazard associated with the site only that, based on available information, USEPA does not plan further investigation at this time.

The project site was not identified within this database. There were no USEPA CERCLIS sites identified within an approximate 1/2-mile radius of the project site.

RCRA Corrective Action Activity

The Resource Conservation and Recovery Act (RCRA) Corrective Action Activity (CORRACTS) database lists hazardous waste facilities with RCRA corrective action activity reported by the USEPA.

The project site was not identified within this database. There were no RCRA CORRACTS sites identified within an approximate 1-mile radius of the project site.

RCRA Treatment/Storage/Disposal Facilities

The RCRA Treatment/Storage/Disposal Facilities (TSDF) database includes facilities that treat, store, and/or dispose of hazardous wastes, or have engaged in these activities in the past. TSDF operators, as with hazardous waste transporters and generators, are regulated under the RCRA.

The project site was not identified within this database. There was one RCRA TSDF site identified within an approximate 1/2-mile radius of the project site. Given that this TSDF is located over 1/2-mile from the project site, it is deemed unlikely that it would have impacted the environmental integrity of the project site.

RCRA Hazardous Waste Generators and Transporters

RCRA Hazardous Waste Generators and Transporters are regulated by the federal government under the RCRA. RCRA facilities are permitted by the USEPA, RCRA Division, to generate hazardous waste as part of business operations and dispose of the waste legally. These facilities generally abide by USEPA regulations for storage, handling and disposal of hazardous materials. RCRA Hazardous Waste Generator and Transporter sites are not permitted to store any hazardous wastes at any time for more than 90 days, reducing the potential risk of a spill. A review of the Hazardous Waste Generator and Transporter listings is useful to assess the kinds of hazardous materials/wastes that are handled, stored, and/or transported in the vicinity of the project site, as well as on the project site. With the exception of those identified on, or adjacent/contiguous to the project site, the presence of hazardous waste generators or transporters in the immediate vicinity does not necessarily imply risk of contamination to the project site.

The project site was identified within this database and is as follows:

- U.S. Postal Service – VMF, 580 Gerard Avenue, (RCRA Facility ID NY5180010451). No hazardous waste activity was listed by New York State for this RCRA Facility.

- United States Post Office, 580 Gerard Avenue, (RCRA Facility ID NYD982727885). The site is listed as a small quantity generator. From 1992 until 2009 varying amounts and types of wastes have been generated and disposed of from the project site under this Facility ID Number.
- Autorama Enterprises of Bronx, 610 Gerard Avenue, RCRA Facility ID (NYR000100255). No hazardous waste activity was listed by New York State for this RCRA Facility.

One (1) adjacent property was identified within the RCRA Hazardous Waste Generator & Transporter database: DGI Transport Corporation, 586 River Avenue, Bronx, New York (RCRA Facility ID NYN30003A415). No hazardous waste activity was listed by New York State for this RCRA Facility as of June 10, 2019.

It also should be noted that numerous Consolidated Edison (Con Ed) RCRA Hazardous Waste Generator & Transporter database listings are reported in close proximity to the project site. However, these are typically one-time listings in conjunction with repairs and/or replacement of electrical equipment located within utility manholes beneath the Gerard Avenue and East 150th Street roadway.

Civil and Administrative Enforcement Docket

USEPA's Civil and Administrative Enforcement Docket is a database that tracks civil judiciary cases filed on behalf of USEPA by the U.S. Department of Justice.

The project site and adjacent properties were not identified within this database. There were two Civil and Administrative Enforcement Docket sites identified within an approximate 1/8-mile radius of the project site. However, based upon the information depicted and the distance from the project site, these sites are not expected to represent a significant environmental concern.

Emergency Response Notification System

USEPA's Emergency Response Notification System (ERNS) database contains information from federal agencies on CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity.

The project site was not identified within this database.

New York State Regulatory Database Search

Inactive Hazardous Waste Disposal Sites

New York State Department of Environmental Conservation (NYSDEC) Inactive Hazardous Waste Disposal Site Registry contains information concerning potentially hazardous waste

sites in New York State. The list of NYSDEC Inactive Hazardous Waste Disposal (IHWD) Sites contains summary information pertaining to those facilities that are deemed hazardous and requiring response actions regulated by the NYSDEC under the State's Superfund Program.

The project site is not identified in the database. Eight NYSDEC IHWD sites were identified within an approximate 1-mile radius of the project site. However, all of these sites are located over an approximate 1/4-mile radius from the project site. Given the distance from the project site, it is GEI's opinion that these IHWD sites are deemed unlikely to have the potential to impact the environmental integrity of the project site.

Hazardous Substance Waste Disposal Sites

NYSDEC maintains a database of waste disposal sites that may pose threats to public health or the environment but cannot be remediated using monies from the Hazards Waste Remediation Fund.

The project site is not listed in this database. There were no NYSDEC Hazardous Substance Waste Disposal sites identified within an approximate 1/2-mile radius of the project site.

Brownfields Sites

The New York State Brownfields database is a listing of sites that are abandoned, idled or under-used industrial and commercial sites in New York State, where expansion or redevelopment is complicated by real or perceived environmental contamination.

The project site is not listed on this database. Sixteen Brownfield sites were identified within an approximate 1-mile radius of the project site. All sixteen of these sites are located over an approximate 1/8-mile radius from the project site and based upon the relative distance, status and/or the assumed direction of groundwater flow, these sites are not expected to have the potential to impact the environmental integrity of the project site.

Solid Waste Facilities

A check was made of the NYSDEC database of solid waste facilities (SWF), including, but not limited to, landfills, incinerators, transfer stations, and recycling centers.

The project site is not listed in the database. There were six NYSDEC SWF sites identified within an approximate 1/2-mile radius of the project site. However, based upon the relative distance, status and/or the assumed direction of groundwater flow, these sites are not expected to have the potential to impact the environmental integrity of the project site.

NYSDEC Spill Log Database

The NYSDEC maintains a database of spills of hazardous materials, including petroleum products, reported to the agency according to its regulatory requirements. Parties found responsible for these spills are required to respond by notifying the NYSDEC's Spill Hotline, obtain a Spill Number, and eliminate the source of the spill and perform the necessary cleanup of contamination in surface and subsurface soils and groundwater. The responsible party is required to report its response actions to an assigned NYSDEC case manager and meet the applicable NYSDEC cleanup criteria for the media impacted by the spill before the NYSDEC will render a determination of "no further action" and at such time, the NYSDEC will "close" the spill number. Spill numbers listed as "active" indicate that the spill incident is either still undergoing remediation or awaiting completion of paperwork for closure. The NYSDEC Spills database records spills of unknown substances, regulated chemicals, petroleum spills, and spills due to tank failures and tank tightness test failures.

The project site is depicted on this listing as follows:

- Closed Spill Incident Number 9007668 – This spill pertains to a tank test failure of a 3,000-gallon fuel oil tank that occurred on October 13, 1990. According to the NYSDEC comments, a 5,000-gallon fuel oil underground storage tank (UST) was removed and replaced with a 2,500-gallon UST in 1993. A subsurface investigation that was performed in 2000 showed no visual, olfactory, or photoionization detector (PID) Evidence of contamination/release. Soil analysis was non-detect for Volatile Organic Compounds (VOCs) and Poly Aromatic Hydrocarbon (PAHs) were consistent with obvious fill material (i.e., coal/asphalt). Groundwater was not encountered before bedrock which was at a depth of approximately 12-feet below ground surface. This spill incident was closed on May 11, 2001.
- Closed Spill Incident Number 9213223 – This spill incident is related to gasoline found during the excavation of gasoline tanks that occurred on February 27, 1993. This spill incident indicates that nine 550-gallon gasoline USTs were removed in 1993. Concurrently, 22 tons of contaminated soil had also been reportedly excavated and removed. Subsurface investigation indicated no visual or olfactory evidence of contamination. Soil analysis showed non-detect for VOCs and PAH levels were consistent with obvious fill material. Groundwater analysis showed non-detect/trace PAHs and VOCs. This spill incident was closed on May 11, 2001.

Based upon the characteristics, these spill incidents are not likely to have significantly impacted the environmental integrity of the project site.

In addition to the above, 193 NYSDEC spill incidents were identified within an approximate 1/2-mile radius of the subject property, of which 183 have been officially "closed" by NYSDEC. The remaining 10 spill incidents are still listed as "active" within the NYSDEC

Spill Log database, the closest of which are over 1/8-mile from the subject property (**Appendix E**). Upon review, due to such factors as the intervening development (e.g., roadways, gas and electrical conduits, underground sewer systems, basements of adjoining and nearby buildings, etc.) between the subject property and these spill incidents, the distances between the spill sources and the subject property, the quantities of materials spilled, and the resources affected, none of the 10 “active” spill incidents were deemed to have the potential to impact soils underlying the subject property.

Major Oil Storage Facilities

A check was made of the NYSDEC Major Oil Storage Facilities (MOSF) database, which lists all facilities (onshore facilities or vessels) with petroleum storage capacities of 400,000 gallons or greater.

The project site was not identified within this database. No NYSDEC MOSF sites were identified within an approximate 1/8-mile radius of the project site.

Petroleum Bulk Storage Facilities (PBS)

NYSDEC maintains registration records for facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. These facilities are documented within the NYSDEC PBS and FDNY databases.

The subject property was identified within this database as follows:

- Vehicle Maintenance Facility, 580 Gerard Avenue, Bronx, New York (NYSDEC Id: 2-333212) – This project site is listed as having had nine 550-gallon gasoline tanks. These tanks are depicted as being installed in 1950 and removed in 1993.
- 580 Gerard Avenue, Bronx, New York (NYSDEC Id: 2-476021) – In addition to the nine gasoline tanks, this PBS listing includes a 2,500-gallon underground fuel oil tank that was installed in 1993 and is in-service. Additionally, there is a listing of a 5,000-gallon UST; however, this tank is depicted as either deleted from the reported data or the number was re-assigned.

Additionally, the following nearby property is listed on this database:

- American Self Storage, 586 River Avenue, Bronx, New York (NYSDEC Id: 2-609485) – This site is listed as having a 10,000-gallon aboveground fuel oil tank.

Chemical Bulk Storage Facilities

The project site was not identified within this database.

5.1 New York City Regulatory Database Records

5.1.1 New York City Historic Utility Facilities

A check was made of the New York City Historic Utility Facilities database which is an inventory of selected power generation stations, manufactured gas plants, gas storage facilities, maintenance yards, and other gas and electric utility sites identified within various historic documents, maps, and annual reports of New York utility companies. A majority of these sites operated between the 1890s and 1940s.

The project site was not identified within this database. There were no Historic Utility Facility sites depicted within an approximate 1/8-mile radius of the project site.

5.1.2 New York City “E” Designated Sites

A check was made of the New York City Environmental Quality Review (CEQR) – E Designation Site database, which lists parcels assigned a special environmental (“E”) designation under the CEQR process. An “E” designation requires specific protocols that must be followed during redevelopment.

The project site was identified within this database and was previously discussed in the report.

6. Interviews

6.1 Interviews

During the site inspection, Robert Rodriguez, the site Superintendent, was interviewed and stated that the building is completely vacant. Additionally, to the best of his knowledge, there have been no physical changes made to the building since the previous Phase I ESA was performed in 2015.

7. Site Reconnaissance

The objective of the site reconnaissance is to evaluate the project site to assess the presence or potential presence of a release of hazardous substances or petroleum products in order to identify RECs. The project site was inspected on May 6, 2020 by GEI environmental professionals, Mr. Nicholas J. Recchia, P.G., and Mr. William J. Fitchett. Weather conditions at the time of site reconnaissance was overcast, with an ambient temperature of approximately 50° Fahrenheit. Photographs documenting environmental conditions on the project site are provided in **Appendix F**.

7.1 Building Description and Observations

7.1.1 Building Description

At the time of GEI's site inspection, the project site was occupied by a single-story garage building. The subject building, which measures approximately 31,200 square feet in area, primarily covers the project site, with the exception of a 3-foot path on the east side of the building.

The subject building has a concrete floor and the walls are concrete as well. There is a small basement that contains the boiler system along the Gerard Avenue side of the building.

There are garage doors on the Gerard Avenue side of the building and the East 150th Street side of the building.

The interior of the building was completely vacant at the time of inspection.

7.1.2 Building Heating and Cooling

A natural gas-fired forced air heating system was observed in the building. However, it was not active at the time of inspection.

7.1.3 Observed Interior Stains or Corrosion

No interior or exterior staining or corrosion was observed during the site reconnaissance.

7.1.4 Observed Interior Drains, Sumps, or Pools of Liquid

No interior drains or pools of liquid were observed during the site reconnaissance.

7.1.5 Waste/water Disposal

Sanitary wastewater from the project site is discharged to the municipal sewer system. No other types of wastewater are generated.

7.2 Property Exterior Description and Observation

7.2.1 Property Description

The portion of the project site not covered by the building consists of a small 3-foot asphalt covered side yard on the east side of the building. This abuts directly with the adjacent properties that have frontage on East 150th Street and Walton Avenue.

7.2.2 Pits, Ponds, and Lagoons

No pits, ponds, or lagoons are present on the project site or were observed during the site reconnaissance.

7.2.3 Odors and Stressed Vegetation

No unusual odors or areas of stressed vegetation were observed during the site reconnaissance.

7.2.4 Stained Soil or Pavement

No significant areas of staining or impacted/deteriorated surfaces were observed.

7.2.5 Wells

There was one monitoring/observation well observed on the project site at the time of GEI's site inspection. This well was located in the northwest corner of the building interior and consisted of two-inch PVC piping extending approximately 1 foot above the ground surface. According to the site Superintendent, Robert Rodriguez, this monitoring well was had been previously installed during a geotechnical investigation conducted by others approximately two years ago.

7.2.6 Septic Systems

There are no septic systems associated with the project site.

7.2.7 Solid Waste

Municipal solid waste generated at the project site hauled off-site for disposal by the City of New York.

7.3 Oil/Chemical Storage

7.3.1 Current Chemical Storage/Waste Generation

No chemical storage or waste generation was observed.

7.3.2 Past Chemical Storage/Waste Generation

No information regarding chemical storage and waste generation by prior occupants (if any) of the project site was available at the time of the site reconnaissance.

7.3.3 Drums and Chemical Storage Containers

One 55-gallon drum was observed on the project site. The drum was inspected and found to be empty.

7.4 On-Site Storage Tanks

7.4.1 Underground Storage Tanks

The following information is based upon visual observations and other information obtained during the course of this investigation.

Fuel Oil Storage Tank – According to the Toxics Targeting Database Report, an underground 2,500-gallon fuel oil tank is currently buried on the project site. This tank is located inside the subject building. According to an affidavit dated April 5, 2018, this tank was abandoned in place.

Furthermore, reportedly, a 5,000-gallon fuel oil tank was removed and replaced in 1993 with this present 2,500-gallon fuel oil tank. In 2000, a subsurface investigation was performed, and subsequent soil sampling showed no evidence of significant contamination.

Gasoline Storage Tanks – Based upon information obtained, at least nine gasoline tanks were located on the site. According to information obtained from the Toxics Targeting Database Report, these gasoline tanks had been installed in 1950 and removed in 1993 and subsequent soil sampling showed no evidence of significant contamination.

It should be noted that the project site is listed on the NYSDEC PBS database under Facility Identification Numbers 2-333212 and 2-476021.

7.4.2 Aboveground Storage Tanks

No evidence of an aboveground storage tank (AST) was observed on the project site.

7.4.3 Hydraulic Lift Units

Three large underground hydraulic lift units were observed within the subject building. One was on the north side of the building and the other two were on the eastern side of the building. No staining was observed near the hydraulic lifts. During the 2018 Phase II ESA, no impacts were observed near the hydraulic lifts.

7.4.4 Polychlorinated Biphenyl-Containing Equipment

No polychlorinated biphenyl (PCB)-containing fluid filled electrical equipment was observed on the project site.

7.5 Solid Waste/Surficial Dumping

No evidence of surficial dumping was observed during site reconnaissance and solid waste is disposed of by the City of New York.

7.6 Non-Scope Considerations

7.6.1 Suspected Asbestos-Containing Insulation Materials

As part of this Phase I ESA, GEI performed a limited visual survey within accessible areas of the project site to identify the presence of suspected asbestos-containing insulation materials. Accessible areas included those areas of the subject building made available by the site contact on the date of GEI's site visit (i.e., unlocked areas which are deemed safe and which building occupants have allowed access into).

This limited visual survey was conducted for overview purposes only. It is not to be used as a complete asbestos inspection, which would be required prior to renovation, construction or demolition activities, according to New York City Regulations (15 RCNY 1). No sampling or laboratory analysis of suspected asbestos-containing materials (SACM) identified within the subject building for confirmation of the presence of asbestos, or destructive activities into inaccessible areas (e.g., behind plaster or sheetrock walls, ceilings, pipe chases, etc.) were performed during this Phase I ESA.

Based upon our observations, no suspected asbestos-containing insulation materials were observed during the inspection of the project site. However, floor tiles were noted within the office area on the western side of the subject building. Floor tiles are known to contain ACM.

7.6.2 Lead Based Paint

Consumer sale of lead-based paint (containing over .06 percent metallic lead) was banned by the United States Consumer Products Safety Commission in 1977. Based upon the age of the subject building, it is possible that underlying layers of paint may contain lead.

7.6.3 Mold

Molds are part of the natural environment. Outdoors, molds play a part in nature by breaking down dead organic matter such as fallen leaves and dead trees, but indoors, mold growth should be avoided. Molds reproduce by means of tiny spores; the spores are invisible to the naked eye and float through outdoor and indoor air.

Molds are usually not a problem indoors unless mold spores land on a wet or damp spot and begin growing. Molds have the potential to cause health problems. Mold produces allergens (substances that can cause allergic reactions), irritants, and in some cases, potentially toxic substances (mycotoxins). Inhaling or touching mold or mold spores may cause allergic reactions in sensitive individuals.

No visual evidence of extreme, large and/or significant areas of mold spore growth was noted within the subject buildings at the time of GEI's site visit.

7.6.4 Radon

Radon, a naturally occurring radioactive gas, is the product of the decay of radium. It is found most frequently in relatively high concentrations in rock formations containing uranium, granite, shale, phosphate, and pitchblende. Radon may also be found in soils contaminated with industrial waste from uranium and phosphate mining. Radon as a gas can move through the soil and water, and into the atmosphere, and is a potential health concern if confined in sufficiently high concentrations in indoor environments. The USEPA has set an "action level" of 4.0 picocuries per liter for continuous long-term exposure to radon gas. If radon gas is measured above this level, USEPA suggests follow-up testing and remediation measures.

According to data compiled by the Bureau of Radiation Protection, New York State Department of Health (NYSDOH), New York City has one of the lowest average levels of basement radon measurements in New York State. The latest statistics indicate an average of 1.58 picocuries per liter for New York City (Bronx), compared to a statewide average of 5.6. Based on these low average levels for New York City, it is unlikely that radon gas levels on the project site exceed the USEPA action level of 4.0 picocuries per liter.

8. Vapor Intrusion Screening

We have performed a Tier 1 Vapor Encroachment Screening for the property.

Toxic, volatile substances that are spilled on the ground or released into the subsurface may migrate in the subsurface environment and eventually enter buildings as a gas or vapor by seeping through cracks in basements, foundations, sewer lines and other openings. Vapor flow toward and into a building can be influenced by a number of factors, including atmospheric pressure changes and building depressurization due to operation of exhaust fans or heating units within the building. The flow rate of vapors into a building often is difficult to predict but generally will depend on factors such as subsurface conditions (e.g., soil properties and contaminant characteristics), building design and condition (e.g., cracks and conduits), and differentials in air pressure across the building foundation. Upon entry into a structure, vapors normally mix with the existing air through the natural or mechanical ventilation of the building. Concentrations of indoor vapors may accumulate to a point where the health of occupants (e.g., residents, workers) in those buildings could be at risk.

Vapor intrusion (also referred to as VI) is the general term given to migration of vapors from a contaminant source in the subsurface into indoor air. Vapor intrusion can occur in a wide variety of building configurations (e.g., buildings with basement, crawlspace, or slab-on-grade foundations). VOCs are the category of chemicals of greatest potential concern for this pathway, which among other things includes constituents of gasoline (e.g., benzene) and other petroleum fuels, as well as dry cleaning fluids (e.g., tetrachloroethylene [PCE]) and industrial degreasers and solvents (e.g., trichloroethylene [TCE]). Other vapor-forming chemicals of potential interest include certain semi-volatile organic compounds (SVOCs), certain pesticides, and mercury.

The vapor intrusion pathway has become widely recognized as a potentially significant cause of exposure to toxic substances in indoor spaces. Numerous studies have indicated that the air in buildings overlying soil or groundwater contaminated with toxic vapor forming substances may contain potentially harmful concentrations of these contaminants due to vapor intrusion.

Based on our evaluation of current and past property uses, as well as our review of available property records during this Phase I ESA, we conclude that a vapor intrusion concern (VIC), defined as the presence or likely presence of contaminated vapors in the subsurface caused by the release of vapors from contaminated soil and groundwater at or near the property cannot be ruled out due to the past historical use, and past history of oil and gasoline tank USTs that had been removed. During the Phase II ESA conducted at the project site in 2018

by GEI, VOCs were detected in soil vapor at predominantly low levels throughout the project Site. However, elevated tetrachloroethene was detected in one soil vapor sample.

The vapor migration/intrusion pathway is very complex and can vary considerably within a site. It should be noted that this “screening” is not an absolute and definitive methodology for confirming vapor migration/intrusion impacts. If redevelopment occurs at the project site, the new construction would require a vapor intrusion evaluation.

9. Findings, Opinions, & Conclusions

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the project site located at 580-610 Gerard Avenue, Bronx, New York.

9.1 Recognized Environmental Conditions

The objective of this assessment was to evaluate the property for evidence of RECs. A *recognized environmental condition* (REC) is defined in ASTM E1527-13 as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property.”

We have performed a *Phase I Environmental Site Assessment* in conformance with the scope and limitations of ASTM Practice E 1527-13 of a parcel of land designated as (Block 2353, Lot 1) with the street address 580-610 Gerard Avenue, Bronx, New York, the “project site.” Exceptions to, or deletions from, this practice (if any) are described in Sections 1.1 and 1.2 of this report. The following RECs were identified in connection with the property:

1. **Gasoline Storage Tanks** – GEI’s site visit of the subject property, a vacant former automotive garage and service/storage facility for U.S Postal Service vehicles found evidence of an area within the building where underground gasoline storage tanks had been located. According to information obtained from the Toxics Targeting Database Report, the tanks had been removed in 1993 and that subsequent soil sampling showed no evidence of significant contamination. Additionally, no impacts were found near these hydraulic lifts during the 2018 Phase II ESA.
2. **Hydraulic Lift Units** – Three large underground hydraulic lift units were observed within the subject building. One was on the north side of the building and the other two were on the eastern side of the building. No staining was observed near the hydraulic lifts. Additionally, no impacts were found near these hydraulic lifts during the 2018 Phase II ESA.
3. **Fuel Oil Storage Tank** – According to the Toxics Targeting Database Report, an underground 2,500-gallon fuel oil tank is currently buried on the project site. This tank is located inside the subject building. The man-way cover and other associated access ports were available for inspection and no staining was observed. According to an affidavit dated April 5, 2018, this tank was abandoned in place.

4. Furthermore, reportedly, a 5,000-gallon fuel oil tank was removed and replaced in 1993 with the present 2,500-gallon fuel oil tank. In 2000, a subsurface investigation was performed, and subsequent soil sampling showed no evidence of significant contamination. Additionally, no impacts were found near this UST during the 2018 Phase II ESA.
5. **E-Designation** – As part of a zoning change or action, the NYC Department of City Planning and City Council has labeled the project site as part of an E-Designated area of New York City. An E-Designation is a NYC zoning map designation that indicates the presence of an environmental requirement pertaining to potential Hazardous Material Contamination, Window/Wall Noise Attenuation, or Air Quality impacts on a particular tax lot. These environmental requirements are administrated by the NYCOER.

On May 22, 2013, this site has been assigned E-Number, E-292, and is described as being classified under the Hazardous Materials Phase I and Phase II Testing Protocols.

The E-Designation will not interfere with the current and present use of the project site; however, if the use of the project site changes, the E-Designation will prevent the release of building permits until a detailed environmental review/investigation is performed.

NYCOER will require the submittal of a Remedial Action Work Plan (RAWP) and selection of a remedial remedy in conjunction with the proposed redevelopment to address the soil, soil vapor, and groundwater impacts that are present on the site.

The remedy would likely include the excavation and disposal of impacted soil and fill at a regulated facility in accordance with applicable regulations. The RAWP would likely include design specifications for typical measures employed during construction within New York City, including waterproofing/vapor barrier membranes and connection to public water supply as a part of the redevelopment plans for the project site.

9.2 Historical Recognized Environmental Conditions

A historical recognized environmental condition (HREC) is defined as “a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).” GEI identified the following HRECs at the project site. GEI identified the following HRECs:

- Closed Spill Incident Number 9007668 – This spill pertains to a tank test failure of a 3,000-gallon fuel oil tank that occurred on October 13, 1990. According to the NYSDEC comments, a 5,000-gallon fuel oil UST was removed and replaced with a

2,500-gallon UST in 1993. A subsurface investigation that was performed in 2000 showed no visual, olfactory, or PID Evidence of contamination/release. Soil analysis was non-detect for VOCs and PAHs were consistent with obvious fill material (i.e., coal/asphalt). Groundwater was not encountered before bedrock which was at a depth of approximately 12-feet below ground surface. This spill incident was closed on May 11, 2001.

- Closed Spill Incident Number 9213223 – This spill incident is related to gasoline found during the excavation of gasoline tanks that occurred on February 27, 1993. This spill incident indicates that nine 550-gallon gasoline USTs were removed in 1993. Concurrently, 22 tons of contaminated soil had also been reportedly excavated and removed. Subsurface investigation indicated no visual or olfactory evidence of contamination. Soil analysis showed non-detect for VOCs and PAH levels were consistent with obvious fill material. Groundwater analysis showed non-detect/trace PAHs and VOCs. This spill incident was closed on May 11, 2001.

Based upon the characteristics, these spill incidents are not likely to have significantly impacted the environmental integrity of the project site. As they are considered to be closed, no further action is recommended in connection with these spill incidents.

9.3 Controlled Recognized Environmental Conditions

A Controlled Recognized Environmental Conditions (CRECs) are those RECs that have been addressed to the satisfaction of the regulatory agency but require the ongoing use of engineering or institutional controls in order to remain in compliance.

- GEI did not identify CRECs in connection with the project site.

9.4 Non-ASTM Scope Consideration

1. **Suspected Asbestos-Containing Materials** – Due to the age of the subject building, asbestos-containing building materials are most likely present in the building. Prior to any planned demolition and renovation work for the building, a survey should be conducted by a NYC-licensed Asbestos Investigator. Based on the results of the survey, the required New York City Department of Environmental Protection (NYCDEP), New York State and federal filings, and notifications should be completed prior to any asbestos abatement activities, according to all applicable regulatory requirements.
2. **Lead-Based Paint** – Due to the age of the subject building, it is likely that lead-based paint is present in all painted surfaces within the interior portions of the building. Precautions should be taken during any future renovation or demolition of the subject building to limit the amount of dust emissions that would be generated by such

activities. Lead dust generated during renovation/demolition activities poses a potential health threat to workers and residents and should be addressed in accordance with all applicable federal, state, and city rules and regulations governing such projects.

10. Limitations and Deviations

This Phase I ESA was conducted and prepared on behalf of SB Gerard Avenue, LLC, and Willton Investment Management. No other entity may rely upon the results of the ESA or contents of this report for any reasons or purpose.

The purpose of this ESA is to evaluate whether hazardous substances or petroleum products may be present at the site. The opinion provided is based on the information described in this report. Future investigations or information that was not available to GEI may result in modification of the findings of this report.

In preparing this report, GEI relied on file information provided by state and local officials, and information and representations made available to GEI at the time of the report. If this information is incomplete or inaccurate, GEI is not responsible.

GEI performed this ESA in accordance with generally accepted practices of engineers and/or scientists providing similar services at the same time, in the same locale, and under like circumstances. No other warranty, expressed or implied, is made as to the professional opinions included by GEI in this report.

Per Section 4.6 of ASTM E1527-13, “an environmental site assessment meeting or exceeding this practice and completed less than 180 days prior to date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction is presumed to be valid.”

The scope of services for this project did not include the following list of “additional issues” that are non-scope considerations that are outside the scope of the ASTM Phase I practice: Lead in Drinking Water, Wetlands, Regulatory Compliance, Cultural and Historic Risks, Industrial Hygiene, Health and Safety, Ecological Resources, Endangered Species, Indoor Air Quality, and High Voltage Power Lines.

No significant deviations from ASTM 1527-13 occurred during the preparation of this Phase I ESA and no additional services were provided as part of this Phase I ESA.

11. References

The following documents, publications, maps, etc. were used as source materials for this Phase I Environmental Site Assessment:

2011 Phase I ESA Report prepared by EEA, Inc.

2015 Phase I ESA Report prepared by GEI

2018 Phase I ESA Report prepared by GEI

2018 Phase II ESA Report prepared by GEI

ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E 1527-13), 2013

Federal Emergency Management Agency (<http://msc.fema.gov/portal>)

Google Maps (www.google/maps).

New York City Department of Buildings (<http://a810-bisweb.nyc.gov/bisweb/bispi00.jsp>)

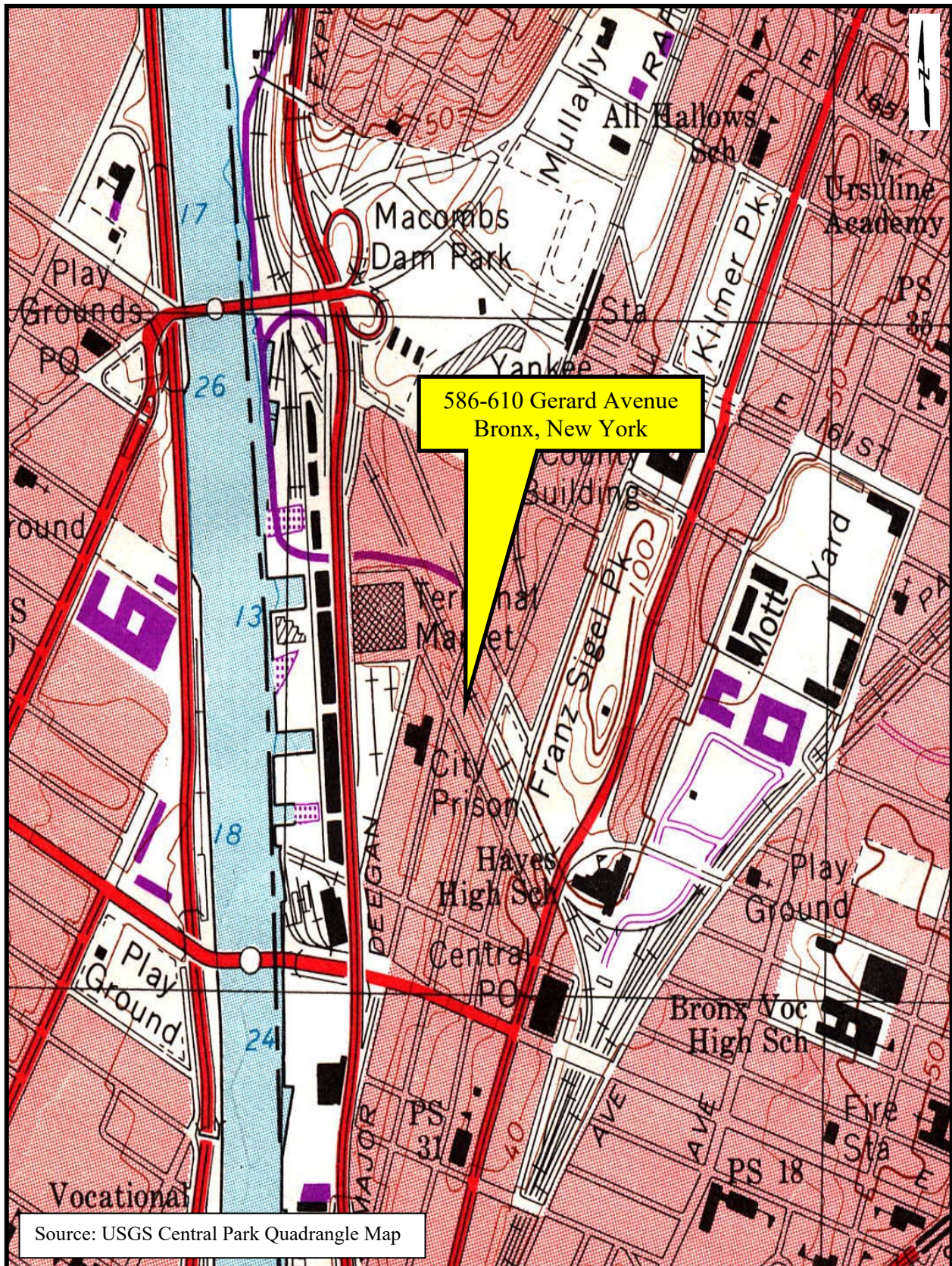
New York City Department of Finance (<http://www1.nyc.gov/site/finance/taxes/acris.page>)

New York State Department of Health
(<https://www.health.ny.gov/environmental/radiological/radon/county.htm>)

Sanborn Fire Insurance Maps

Toxics Targeting, Inc.: Environmental Regulatory Agency Database Records

Figures



580-610 GERARD AVENUE, BRONX, NEW YORK

SB GERARD AVENUE, LLC
NEW YORK, NEW YORK

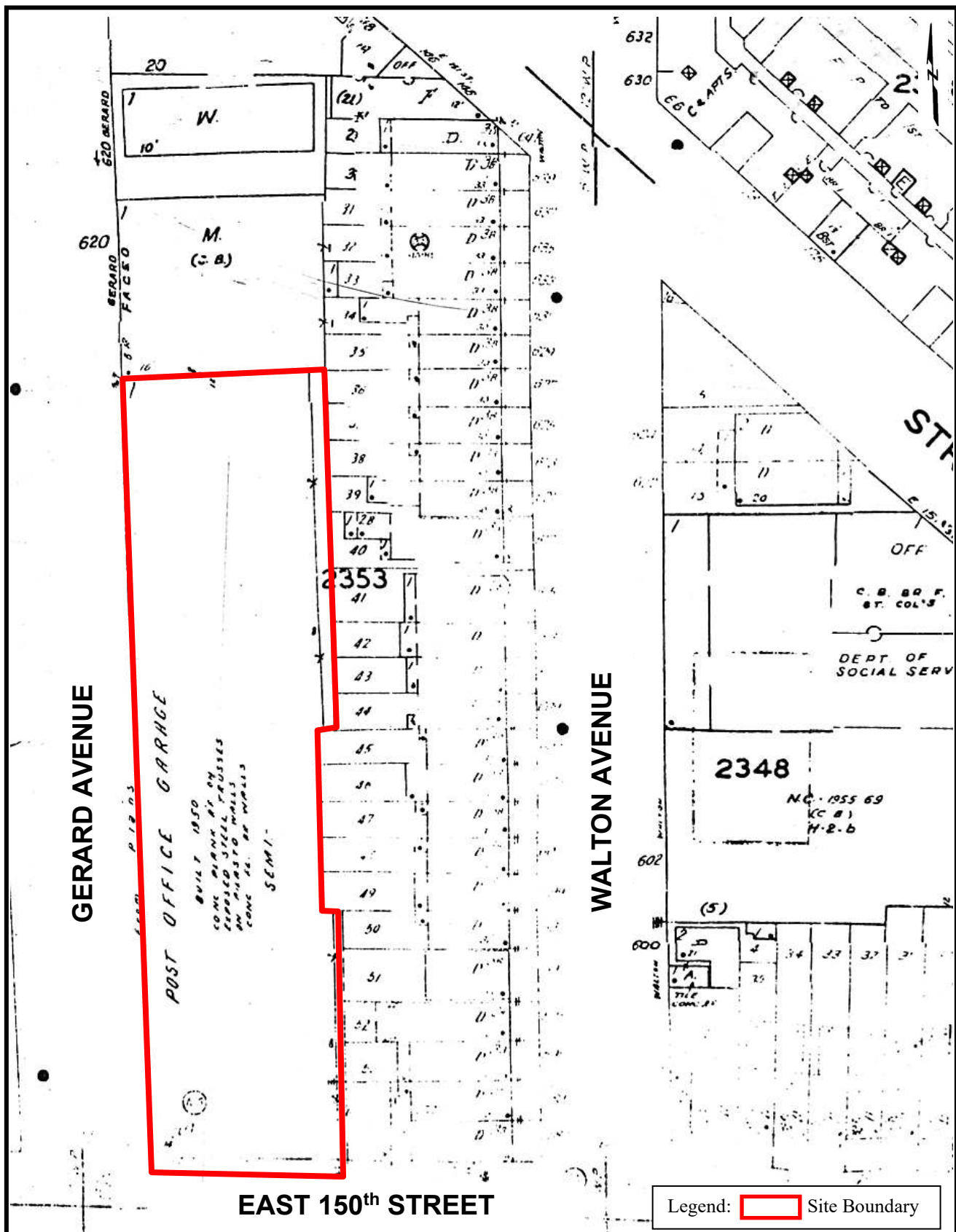


Project 2002364

**SITE LOCATION
MAP**

May 2020

Fig 1



580-610 GERARD AVENUE, BRONX, NEW YORK

SB GERARD AVENUE, LLC
NEW YORK, NEW YORK



Project 2002364

1996 SANBORN
MAP

May 2020

Fig 2

Appendix A

Resumes

William J. Fitchett
Staff Environmental Scientist

William Fitchett is an environmental scientist working in GEI's Long Island office. He has experience performing and managing field investigations and remedial activities at numerous sites on Long Island and within New York City. Mr. Fitchett also has experience completing environmental investigations and remediation including Phase I and Phase II Environmental Site Assessments, monitoring well design/installation, sampling, UIC Closures, UST removals, and solid and hazardous waste disposal.

PROJECT EXPERIENCE

NYSDEC Brownfield Cleanup Program (BCP) Remedial Investigation, Joey's Cleaners, Bronx, NY

Field Manager for remedial investigation activities and coauthor of the Remedial Investigation Report (RIR) for a dry-cleaning operation with onsite and potential off-site impacts to soil, soil vapor, and groundwater. The Remedial Investigation Report was completed and pending NYSDEC and New York State Department of Health (NYSDOH) review and approval.

Former Auto Repair Shop, Syosset, NY

Field Manager for Phase I ESA, Phase II ESA, and remedial action including injection well cleanouts and underground hydraulic lift removal to prepare a property for a future sale. Coordination with USEPA/NYSDEC/NCDH. Co-author Phase I and Phase II ESA reports and Remedial Action Report (RAR).

NYSDEC Brownfield Cleanup Program (BCP) Remedial Investigation, Commercial Dry-Cleaners Astoria, Queens, NY. Current and past operations include a commercial dry-cleaning operation. The property is scheduled for development in early 2020. Field Manager for remedial investigation activities and coauthor of the Remedial Investigation Report (RIR) with impacts to soil, soil vapor, and groundwater.

East 115th Street Project, Con Edison, Harlem, NY

Field Technician for the startup and ongoing Operations, Maintenance, and Monitoring (OMM) of a sub-slab depressurization system (SSDS). Responsibilities include troubleshooting and inspecting system components and monitoring sub-slab and extraction points.

NYSDEC Brownfield Cleanup Program (BCP) Remedial Investigation, Redevelopment Site, New York, NY.

Field Manager responsible for implementing remedial investigation activities and coauthor of the Remedial Investigation Report (RIR) for a large redevelopment Site with onsite and potential off-site impacts to soil, soil vapor, and groundwater. Also conducted field operations for supplemental remedial investigation and coauthored the Supplemental Remedial Investigation Report.

PREVIOUS PROJECT EXPERIENCE

Phase I/II Environmental Site Investigations and Assessments, Numerous Sites in New York City and Long Island, NY. Assessment and investigation of site history and potential presence of recognized environmental conditions. Performed contractor oversight for various subsurface investigations and conducted environmental sampling for laboratory analysis. Preparation of Phase I/II Reports for review by various government agencies and clients.



EDUCATION

B.S., Environmental Science, State
University of New York, College at
Oneonta

EXPERIENCE IN THE INDUSTRY
6 years

EXPERIENCE WITH GEI
2 years

REGISTRATIONS/CERTIFICATIONS

OSHA 40-Hour HAZWOPER
OSHA 30-Hour Construction Safety
OSHA Confined Space Entry (CSE) as an
Entrant/Attendant/Supervisor
SWPPP Certification No. 45T-092018-58
Adult First Aid/CPR/AED

NYCOER VCP Program, E-Designation Requirements, Brooklyn, NY. Provide soil removal and excavation oversight, inspections of engineering controls. Serve as site safety officer and co-author Remedial Action Report approved by NYCOER in 2017.

NYSDEC BCP Program, Brooklyn, NY. Perform field oversight for Remedial Investigation, including soil, soil vapor, and groundwater sampling, along with serving as site safety officer. Co-author Remedial Investigation Report (RIR) and Remedial Action Work Plan (RAWP) approved by NYSDEC in late 2017.

Hooker/Ruco Superfund Site, Hicksville, NY. Manage day-to-day operations and maintenance of biosparge groundwater remediation system. Serve as site safety officer and lead field personnel during semi-annual groundwater sampling events.

PROFESSIONAL AFFILIATIONS

New York City Brownfield Partnership

Long Island Association of Professional Geologists

Richard B. Fasciani
Lead Environmental Scientist



Richard Fasciani is an Environmental Scientist specializing in Phase I and Phase II Environmental Assessments. He has performed and coordinated over 1,000 Phase I Environmental Assessments of industrial, vacant rural, residential, and commercial properties for lending institutions, legal firms, city agencies, and private clients throughout the New York area. Mr. Fasciani has also been responsible for the preparation of Phase II investigations for soil and groundwater contamination, as well as sub-slab soil vapor and indoor air quality (IAQ) testing.

PROJECT EXPERIENCE

Sub Slab Depressurization System (SSDS) CLIENT, New York City, NY. Directed the design and installation of an active SSDS system within a commercial/residential building impacted by historical dry-cleaning operations that was being redeveloped under the New York City Department of Environmental Protection (NYCDEP) and New York City Housing Preservation and Development (NYCHPD) requirements.

NYCEDC and NYCOER Consultant Contract for On-Call Environmental Consulting Services. Project Manager and Lead Phase I ESA Investigator for a vacant land site in the Bronx and a multi-building hospital site in Brooklyn, NY, both of which are targeted for redevelopment.

NYC Department of Environmental Protection (DEP), Environmental Site Assessment of Watershed Lands; Contract DEL-363A. Project Manager for this contract (held by GEI for 15 years) of the City of New York's Land Acquisition Program which is meant to preserve the City's water supply system. Performed numerous Phase I ESAs of these watershed properties in various upstate counties. As Project Manager, evaluated project assignments, assigned staff and reviewed and performed quality control of reports written by other GEI Phase I ESA team associates.

Former Oil Terminal Facility, Patchogue, NY. Performed and wrote the Phase I ESA of this site for a private client interested in determining the sites' suitability for redevelopment. This project involved a significant review of numerous records, documents and reports at the regional and local offices of the New York State Department of Environmental Conservation and Suffolk County Department of Health Services.

Trust for Public Land, Various New York City Sites. Conducted Phase I ESAs under their school playground renovation program in New York City and its Boroughs. Proposed and implemented Phase II investigations based upon identified Recognized Environmental Conditions identified in the Phase I ESA reports.

EDUCATION

B.A., Environmental Studies,
Southampton College

EXPERIENCE IN THE INDUSTRY

28 years

EXPERIENCE WITH GEI

23 years

CERTIFICATIONS

40-hr OSHA HAZWOPPER
ANNUAL 8-hr OSHA HAZWOPPER
All Appropriate Inquiry (AAI) Training
(ASTM Curriculum)

Mavis Tire Corporation. Conducted Phase I ESAs of gasoline service stations, automotive repair shops and vacant land sites throughout the State of New York.

Property Redevelopment: 5 Boroughs, New York City, NY. Performed Phase I and II investigations for numerous private clients of residential properties that were planned for redevelopment and rehabilitation. Some of these Phase I ESA projects lead to the identification of on-site and off-site recognized environmental conditions requiring remedial investigations including soil sampling, soil vapor investigations and subsequent corrective actions including installation of vapor barriers and sub-slab depressurization systems. Some of the projects were performed according to requirements set forth by the New York City Department of Environmental Protection and New York City Office of Environmental Remediation.

Various Lending and Financial Institutions, Metro-New York Area. Performed Phase I and II ESAs of various residential, commercial, retail and industrial properties throughout the New York City metropolitan area. Phase II investigations resulted from recognized conditions associated with the project site or from potential impacts (soil vapor) from off-site recognized conditions.

Town of North Hempstead. Performed numerous Phase I ESAs of properties being planned for acquisition, as well as a land associated with the Hempstead Harbor Shoreline Trail.

Nicholas J. Recchia, P.G.

Environmental Practice Leader - Hydrogeologist

Nicholas Recchia's responsibilities include the development, management, and supervision of hazardous waste site investigations and remedial corrective actions for commercial/industrial and government properties. These responsibilities include project management for remedial investigation and remediation operations, specializing in soil, soil vapor and groundwater studies and remedial cleanup of contamination at commercial/industrial facilities, evaluation of soil and groundwater impacts for planned developments from New England to Florida. He has performed remedial subsurface investigations at over 2,000 sites.

Mr. Recchia has also completed remedial cleanup actions at over 300 sites within the New York City metropolitan area. He is familiar with New York City Department of Environmental Protection (NYCDEP), New York State Department of Environmental Conservation (NYSDEC), NYC Office of Environmental Remediation (NYCOER), NYC Economic Development Corporation (NYCEDC), and NYC Housing Development and Preservation (NYCHDP) environmental guidelines, regulations, and policies.

PROJECT EXPERIENCE

NYSDEC Brownfield Cleanup Program (BCP) Remedial Action Cleanup, Concourse Village West Apartments West and South Sites Bronx, NY. Historical auto/truck repair and fueling operations impacted onsite soil and groundwater where three residential apartment buildings were planned for development. Cleanup actions included excavation and off-site disposal of impacted soils, removal of underground petroleum storage tanks and in-situ treatment (ISCO) of on-site groundwater using chemical oxidants. Administrative controls include a Site Management Plan and Environmental Easement. The goal of the cleanup action was to achieve cleanup levels that protect public health and the environment. Remedial action was completed in the Fall 2019. The Final Engineering Report (FER) was approved by NYSDEC in November 2019 and NYSDEC issued the Certificate of Completion (COC) in December 2019.

NYSDEC Brownfield Cleanup Program (BCP) Remedial Investigation, Commercial Dry-Cleaners 31st Street Astoria, Queens, NY. Current and past operations include a commercial dry-cleaning operation. The property is scheduled for residential development in Spring 2020. The remedial investigation activities included the preparation of a Remedial Investigation Report (RIR) with onsite and potential offsite impacts to soil, soil vapor, and groundwater. Work included the BCP application, a Remedial Action Work Plan and Interim Remedial Measure design. A remedial Action Work Plan (RAWP) was designed in Fall 2019. The plan included provisions for impacted soil excavation and off-site disposal, installation of an active sub-slab depressurization system (SSDS) and ISCO treatment of impacted groundwater.



EDUCATION

M.S., Earth Science, Hydrogeology,
Adelphi University
B.S., Geology and Water Resources Dual
Degree, SUNY Oneonta

EXPERIENCE IN THE INDUSTRY
33 years

EXPERIENCE WITH GEI
29 years

REGISTRATIONS AND LICENSES

NY Professional Geologist No.14
IN Professional Geologist, No. IN1120
NJ Licensed Subsurface Evaluator, No.
0013038

CERTIFICATIONS

NYS Dept. of Environmental Conservation
Erosion and Sediment Control, SWT
National Ground Water Association
Certified Well Driller, CWD
No.201440

PROFESSIONAL ASSOCIATIONS

Association of Groundwater Scientists
and Engineers, Member
Association of Engineering Geologists,
Member
Association for the Environmental Health
of Soils, Member
New York State Council of Professional
Geologists, Board Member 2014-
Present
Long Island Association of Professional
Geologists, Member
National Ground Water Association,
Member

NYCOER Voluntary Cleanup Program (VCP), E-Designation Requirements, Beverly's Place Brooklyn, NY. The client has planned an affordable housing project and community space on the former Mastermade Furniture Company property. Funding was provided by New York City Housing Preservation (NYCHPD). Elevated concentrations of chlorinated volatile organic compounds (CVOCs) were found in soil vapor and groundwater. GEI prepared documents to enter the site into the NYCOER VCP program. The work scope included submission of Phase I ESA, Remedial Investigation Work Plan and Site Specific Health and Safety Plan (HASP), remedial investigation report (RIR), and the remedial action work plan (RAWP). GEI designed and installed a Soil Vapor Extraction (SVE) system in the new building to mitigate residual CVOCs. GEI is continuing provide Operational Monitoring and Maintenance (OM&M) of the SVE system and engineering support to the building operator.

Brownfield Cleanup Program (BCP) Remedial Investigation, Joeys Cleaner's, Bronx, NY. Project Manager including remedial investigation activities and the preparation of the Remedial Investigation Report (RIR) for a dry-cleaning operation with onsite and potential off-site impacts to soil, soil vapor, and groundwater. The Remedial Investigation Work was completed and pending NYSDEC and New York State Department of Health (NYSDOH) review and approval. Project work to date is on time and within the projected budget.

Brownfield Cleanup Program (BCP) Remedial Investigation, Clearview Cleaners, Queens, NY. Project Manager including remedial investigation activities and the preparation of the Remedial Investigation Report (RIR) for a dry-cleaning operation with onsite and potential off-site impacts to soil, soil vapor, and groundwater. A Remedial Action Work Plan and Interim Remedial Measure design was completed. The Feasibility Study (FS) is presently under design and a remedy selection is pending NYSDEC and New York State Department of Health (NYSDOH) review and approval. Project work to date is on time and within the projected budget.

Environmental Due Diligence, Sun Tire Aquisition, Mavis Tire Supply Corp., Various locations, FL. Provided environmental due-diligence during the acquisition of 13 various properties. Phase 1 and Phase 2 investigation reports were prepared within a 30 day period to understand potential environmental liabilities prior to acquisition. Reports were prepared for investor review and financial risk assessment.

Environmental Due Diligence, Project Special K, Mavis Tire Supply Corp., Various locations GA and FL Provided environmental due-diligence during the acquisition of 72 various properties. The work entailed assemblage and detailed review of previous Phase 1 and Phase 2 investigation reports to understand potential environmental liabilities. In areas where data gaps were identified additional investigation and reporting were provided to provide business negotiations and financial support.

Phase II Environmental Subsurface Investigation, Mavis Tire Supply Corp., Warren, NJ. The property site had a historic gasoline service station and automobile repair facility operating from circa 1940s-1970s. The purpose of this investigation was to determine if any impacts from the former gasoline and automotive repair activities, in ground hydraulic lift units, former underground petroleum storage tanks (USTs), closed NYSDEC spill incidents, the parking lot storm-water drainage structures, interior floor drains, and the oil water separator had impacted onsite soils, soil vapor and groundwater.

Waste Characterization Sampling and Analysis, Riverdale Equities, Bronx, NY. GEI collected samples for waste disposal pre-classification analysis for a planned mass foundation excavation contaminated soil stockpiles. The stockpiles sampled in accordance with the sample frequency established the New York State Department of Environmental Conservation document titled "DER-10/Technical Guidance for Site Investigation and Remediation" (DER-10). GEI provided detailed soil disposal options based upon the soil chemistry and geotechnical value of the stockpiled material.

NYSDEC Brownfield Cleanup Program (BCP) Site(s) #C203291 and C203092, Concourse Village West, Bronx, NY. Assisted the developer with the NYC Jumpstart program and transfer to the NYSDEC BCP program including BCP application, remedial investigation activities, the preparation of the Remedial Investigation Report (RIR) and the remedial action work plan for a planned three-building apartment complex with community space.

Interim Remedial Investigation, Former Safety Kleen Drycleaners, New Windsor, NY. Project Manager including remedial investigation activities and the preparation of the Remedial Investigation Report (RIR) for a dry-cleaning operation with onsite and potential off-site impacts to soil, soil vapor, and groundwater. A Remedial Action Work Plan and Interim Remedial Measure design was completed. The Feasibility Study (FS) is presently under design and a remedy selection is pending NYSDEC and New York State Department of Health (NYSDOH) review and approval. Project work to date is on time and within the projected budget.

Spill Investigation, Lemle and Wolff, Inc., Manhattan, NY. GEI created a work plan to perform an environmental investigation in association with the delineation of NYSDEC spill number. NYSDEC suspected that petroleum from historical fueling operations at the subject property remote fill located in the sidewalk was responsible for gross contamination to soil and groundwater. The purpose of the investigation was to collect information to help determine if petroleum contamination identified at the location of the remote fueling line could be migrating along the sidewalk of the subject property. GEI determined that the spill was originating from an adjacent site and the NYSDEC closed the spill file. The project was completed on time and within budget.

Brownfields Cleanup Program NYSDEC Site #C224162 DCA-1 Apartments, Brooklyn, NY. Historic dry-cleaning operation discharged tetrachloroethylene (PCE) into on-site soils and ground water. GEI entered the site into the NYSDEC's Brownfield Cleanup Program. GEI developed and designed a Remedial Investigation (RI) and subsequent Remedial Action Work Plan (RAWP) to address the soil, soil vapor, and ground water impacts. The remedial action remedy was selected and constructed within the accepted timeframe and budget. NYSDEC issued the certificate of completion (COC) in December 2016.

Environmental Management Services Remedial Action Plan and Construction Health and Safety Plan (CHASP), Lantern Group, Bronx, NY. The Lantern Group was seeking a use-variance from the New York City Board of Standards and Appeals (BSA) pursuant to section 72-21 of the Zoning Resolution to permit construction of a Use Group 3 community facility building with the New York City Department of Environmental Protection (NYCDEP). GEI prepared work plan documents and performed remedial corrective action in accordance with a NYCDEP-approved Remedial Action Plan (RAP). NYCDEP approved the work and a notice to proceed was issued for the projects development. The project was completed and all environmental requirements have been satisfied with final approvals from NYCDEP.

NYCOER VCP Program Remedial Corrective Action, Mass Soil Excavation and Cover System Design, Woodrow Plaza, Staten Island, NY. Woodrow Plaza LLC was seeking to develop two parcels where past historic and past activities impacted soil quality. GEI entered the site into the NYCOER VCP with a remedy consisting of mass soil excavation and a composite soil cover system design. This enabled a significant savings on the foundation construction elements. Two large 45,000 square foot buildings were constructed. The remedial investigation and stipulation agreement were approved by NYCOER. Project has been constructed and the remedial action report has recently been approved by OER in October 2016. The ownership is applying for various grants available through the NYC BIG program.

Appendix B

User Questionnaire

ESA Phase I User Questionnaire

(Reference ASTM E 1527)

PROJECT SITE ADDRESS: 580 Gerard Avenue, Bronx, NY

GEI PROJECT NO:

This User Questionnaire is required to be completed in order to comply with the All Appropriate Inquiry (AAI) as required by ASTM E1527. In order to qualify for one of the Landowner Liability Protections (*LLPs*) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that an appropriate inquiry is not complete.

1. In order to assist us in determining the history of and past use(s) of the property, GEI Consultants, Inc. (GEI) would like to discuss this information with the past and present owners of the subject property. If known, please supply us with their contact information so that we contact them during the course of this Phase I ESA investigation.

Mr. Andrew Davidoff. Emmes Capital Management ad@eamc.com

2. As the user of this Phase I ESA Report, a title report should be obtained. This would indicate any lien records for environmental liens currently recorded against or relating to the property. Therefore, do you have a Title Report? If yes, does the Title Report depict any environmental liens? If no, then please answer question 3.

To be sent separately

3. If a Title Report is not in your possession, to the best of your knowledge, are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? If yes, please explain in detail:

4. Are you aware of any Activities and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? If yes, please explain in detail:

5. As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business. If yes,

please explain in detail:

no

6. To the best of your knowledge is there a property value reduction due to environmental issues? If yes, please explain in detail:

no

7. Are you aware of commonly known or reasonably ascertainable information of about the property that would help the environmental professional to identify conditions? If yes, please explain in detail:

(a) Do you know past use of the property?

Maintenance facility for US Post Office vehicles

(b) Do you know of specific chemicals that are present or once were present at the property?

Typical fluids for truck maintenance

(c) Do you know of spills or other chemical releases that have taken place at the property?

See most recent ph 1 prepared by your firm

(d) Do you know of any environmental cleanups that have taken place at the property?

See most recent ph1 prepared by your firm

8. As the user of this Phase I ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

yes

9. Please provide following information:

(a) The reason why the Phase I ESA is required.

We are acquiring the asset to redevelop as housing

(b) The type of property and type of transaction? For example, sale, purchase, exchange, refinance, etc.

Currently industrial. Was rezoned for residential. Purchase.

(c) The complete and correct address for the property (a map, site survey or other documentation showing property location and boundaries is helpful).

580 Gerard. You are in possession of survey.

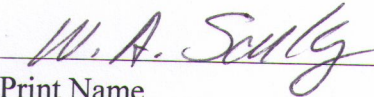
(d) Please indicate how the person(s) signing below is associated with the project site (e.g., owner, owner's representative, purchaser, etc.).

Purchaser

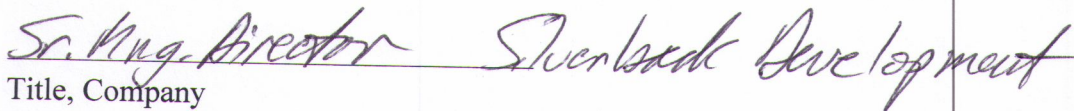
(e) If this is a refinance, please indicate the name of the entity that owns the project site and how long have you/the borrower/entity owned the property.



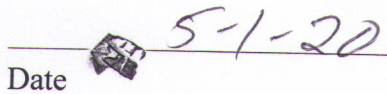
Signature



Print Name



Title, Company

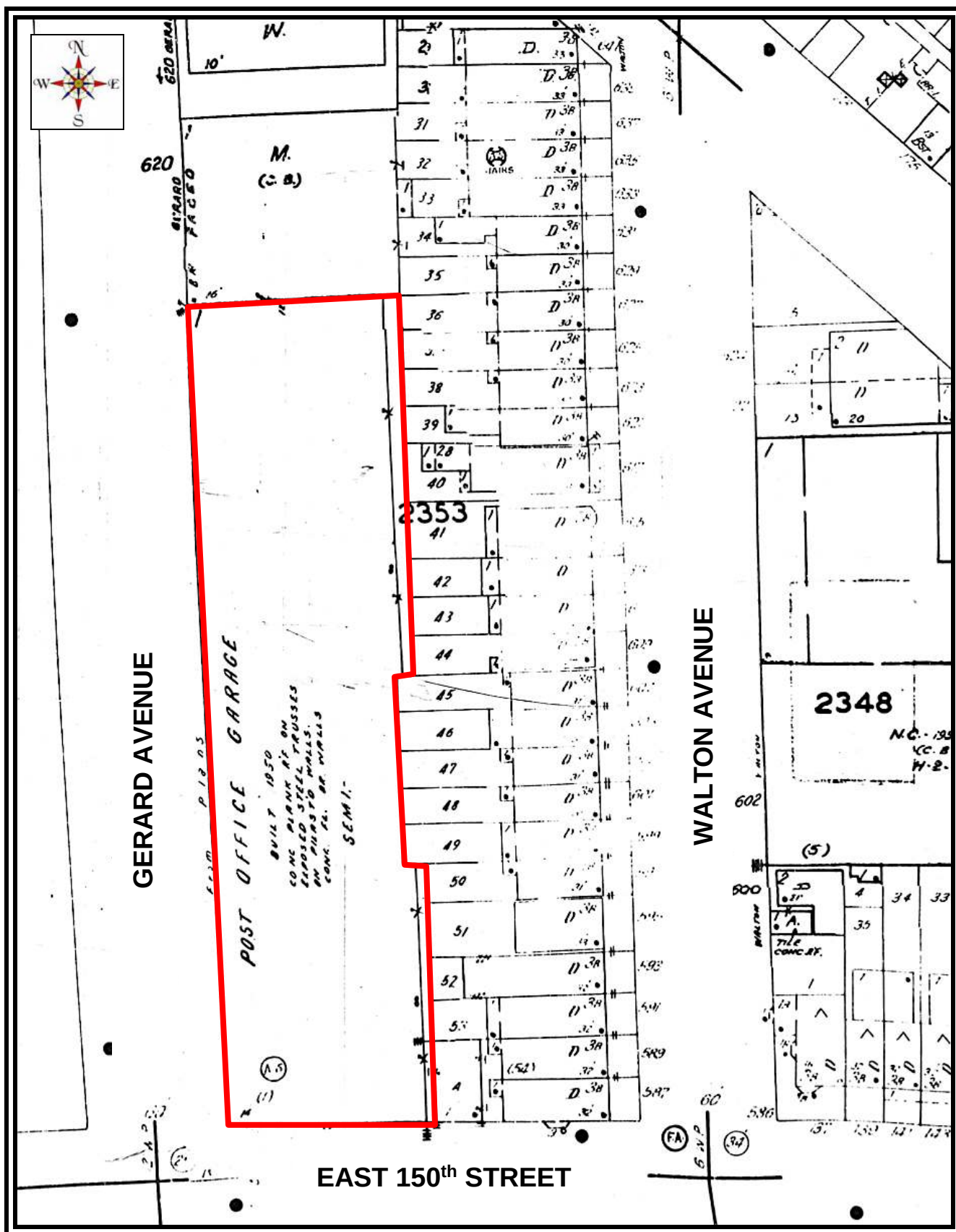


Date

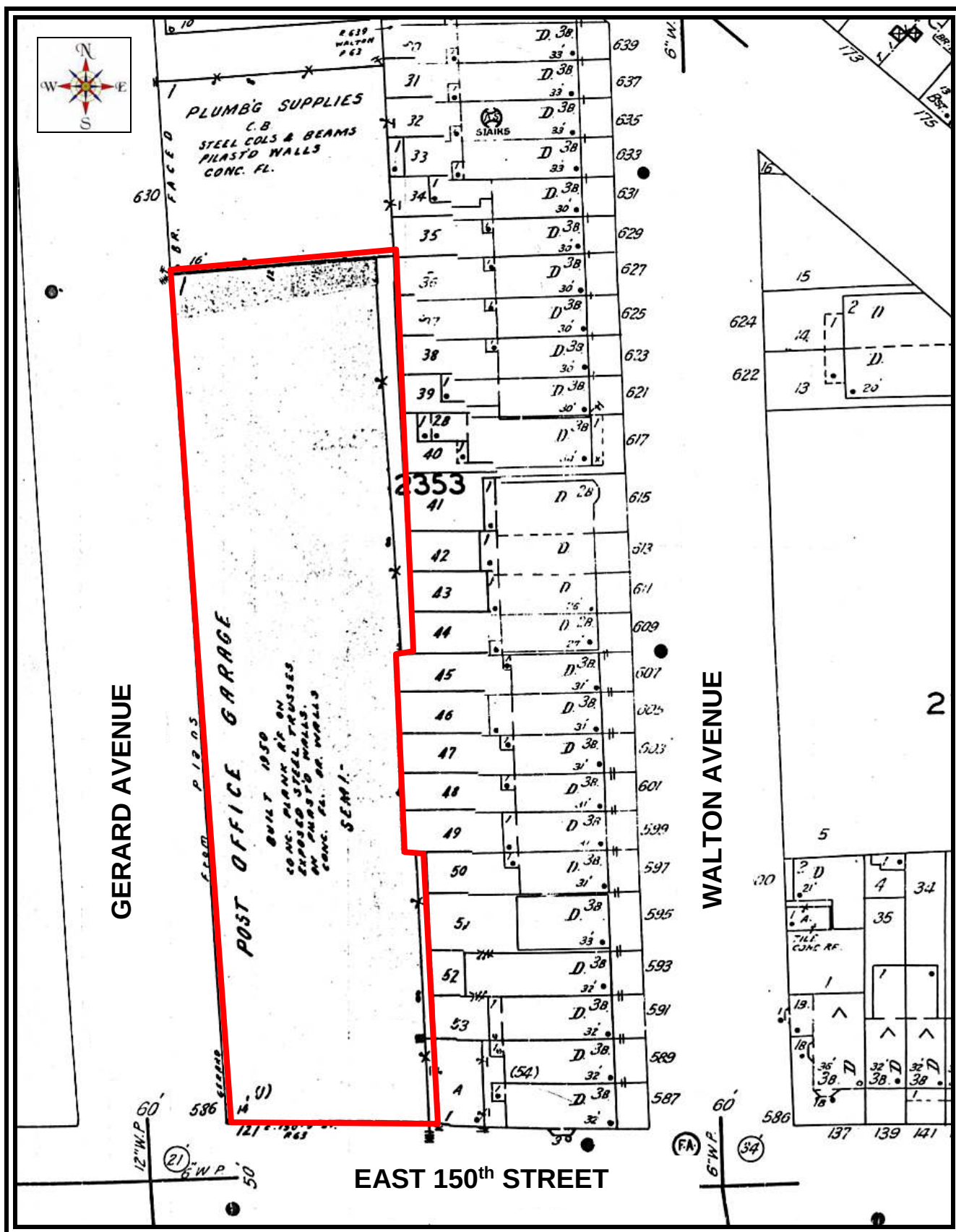
Appendix C

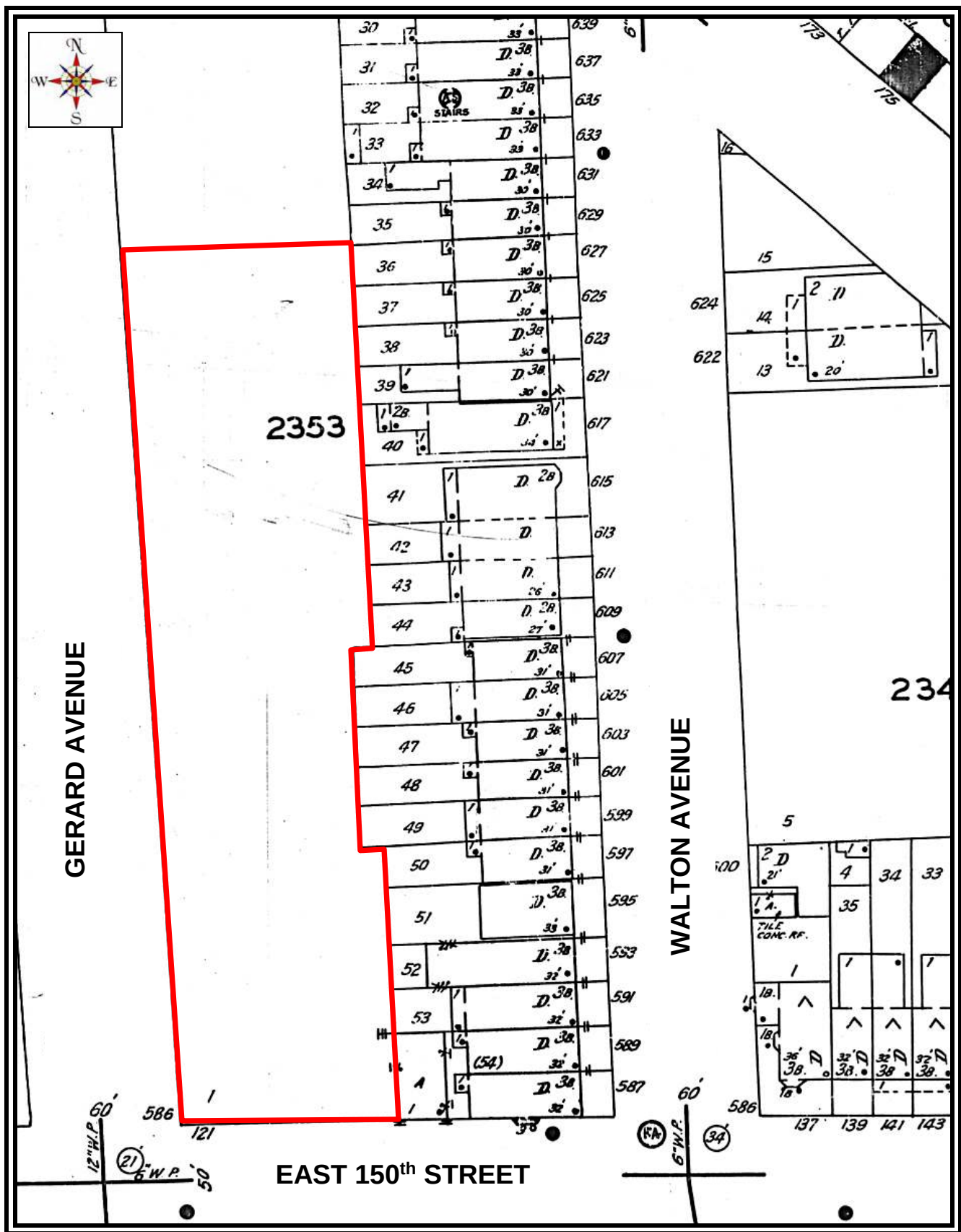
Electronic Sanborn Fire Insurance Maps

GEI Consultants

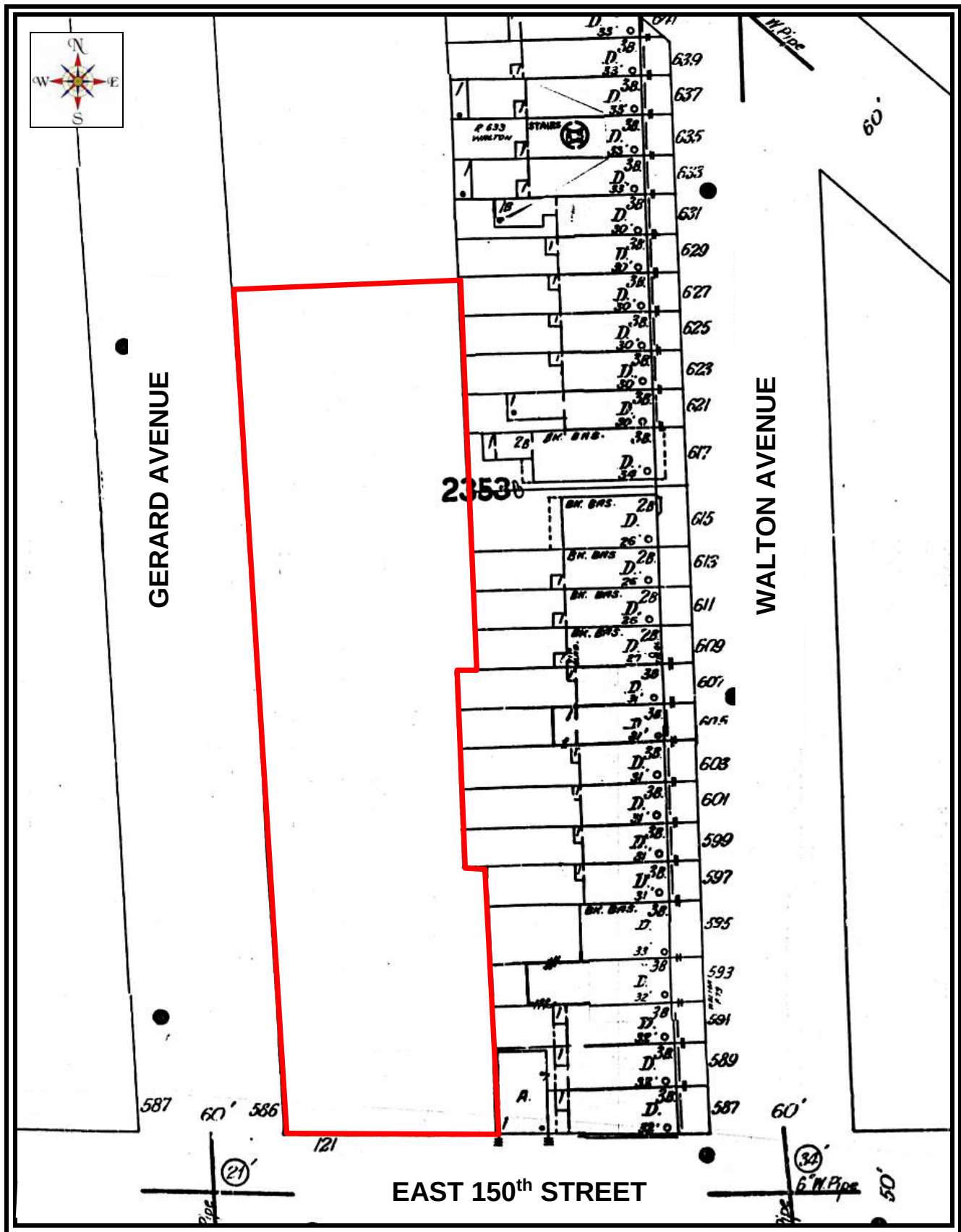


580 Gerard Avenue, Bronx, NY
1981 Sanborn Map

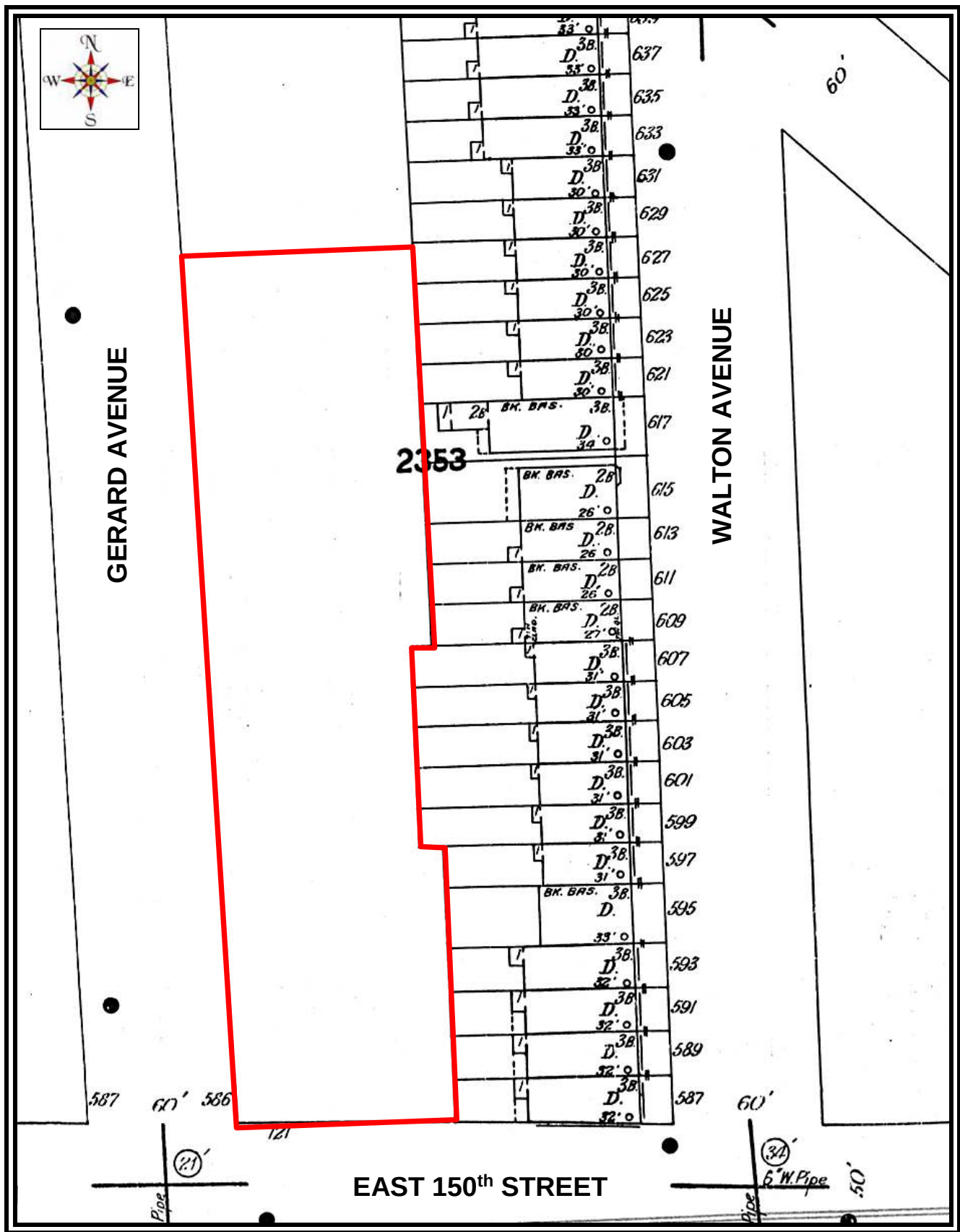




580 Gerard Avenue, Bronx, NY
 1946 Sanborn Map



580 Gerard Avenue, Bronx, NY
1935 Sanborn Map



580 Gerard Avenue, Bronx, NY
1908 Sanborn Map

Appendix D

Phase II Environmental Subsurface Investigation – September 2018



Environmental
Engineers and
Scientists

Phase II Environmental Subsurface Investigation

580-610 Gerard Avenue, Bronx, NY

Submitted to:

Hunton Andrews Kurth LLP
951 East Byrd Street
Richmond, Virginia, 23219

Prepared by:

GEI Consultants, Inc., P. C.
110 Walt Whitman Road, Suite 204
Huntington Station, NY 11746
631-760-9300

September 2018
Project 1803080

William J. Fitchett
Staff Professional

Wendy Montecasso
Project Manager

Nicholas J. Recchia, P.G.
Environmental Practice Leader
Hydrogeologist

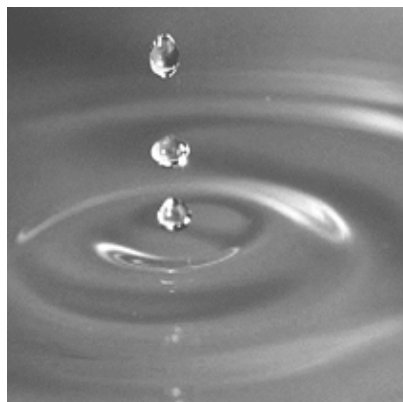


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- B. Laboratory Analytical Report and Chain-of-Custody Record

WJF/WM:gd

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Executive Summary

GEI Consultants Inc., P. C. was retained by Hunton Andrews Kurth LLP on behalf of EMMES Asset Management Company to perform a Phase II Environmental Subsurface Investigation (ESI) at 580-610 Gerard Avenue, Bronx, New York (Site), an E-designated parcel (E Number E-292, issued by New York City Department of Environmental Protection [NYCDEP]). GEI conducted field activities on August 9 and 10, 2018. These activities included a limited geophysical survey and a subsurface investigation. Soil boring logs detailing the field observations made during the subsurface investigation are presented in **Appendix A**.

A total of eight (8) test borings were performed in the building on the Site. Soil borings were advanced and analytical samples were collected to determine if there are impacts to soils underlying the project Site. Two (2) soil borings were advanced into the groundwater table and two (2) groundwater grab samples were collected. Additionally, four (4) soil vapor samples were collected from temporary implants installed beneath the building floor slab.

The soil composition of the eight (8) borings was similar, with predominantly fine to medium-grained sand and fill material along with some silt found to exist from the surface to terminus of the borings. Groundwater was encountered in two (2) borings at approximately 23 feet below land surface (bls).

Soils from each boring were evaluated for visual and olfactory impacts (e.g. staining and odors) and were field screened for organic vapors using a photoionization detector (PID). Elevated PID readings and an odor were noted in boring SB-2 at the intersection of the water table, approximately 21-23 feet bls.

Based upon the laboratory analysis results of the fifteen (15) soil samples, there were no elevated concentrations of Volatile Organic Compounds (VOCs) above the New York State Department of Environmental Conservation's (NYSDEC) Part 375 Restricted and/or Unrestricted Use Soil Cleanup Objectives (RUSCOs/UUSCOs), other than acetone. Acetone is considered a common laboratory relic.

Isolated VOC impacts including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, chloroform, isopropylbenzene, n-butylbenzene, n-propylbenzene, and naphthalene were detected at concentrations above the applicable standards in groundwater sample SB-2(GW). No detections above the applicable standards were detected in groundwater sample SB-5(GW). These limited groundwater impacts were observed beneath the hydraulically upgradient corner of the Site, and not in the vicinity of any of the recognized environmental conditions (RECs) (i.e., former gasoline and fuel oil underground storage tanks [USTs], hydraulic lifts,

floor drains, etc.) identified in the Phase I ESAs previously conducted for the Site, therefore they are most likely attributable to an upgradient, off-Site source.

VOCs were detected in soil vapor at predominantly low levels throughout the project Site. However, elevated tetrachloroethene was detected in soil vapor sample SV-2.

Based upon the above findings, it is GEI's professional opinion that no further investigations/actions are necessary with regard to this subsurface investigation at present. If redevelopment is considered for this property, as required by the NYCOER E-designation program, prior to redevelopment, a Remedial Action Work Plan (RAWP) would be prepared and a remedy will be selected based on the remedial investigation results in conjunction with the proposed redevelopment to address the soil, soil vapor, and groundwater impacts that are present on the Site. Where soil/fill beneath the building will be disturbed, the soil/fill will require appropriate characterization prior to off-Site disposal. Additionally, any former features related to the previous garage operations (i.e., hydraulic lifts) and former underground storage tanks should be decommissioned, removed and disposed of in accordance with applicable regulations. Other typical measures employed during construction within New York City, including waterproofing/vapor barrier membranes and connection to public water supply would likely be included in the remedy selection process.

1. Introduction

GEI Consultants Inc., P. C. (GEI) was retained by Hunton Andrew Kurth LLP on behalf of EMMES Asset Management Company to complete an Environmental Subsurface Investigation (ESI) at the property located at 580-610 Gerard Avenue, Bronx, New York (Site), in support of property transfer. GEI also performed a Phase I Environmental Site Assessment (ESA) (GEI Project No. 1801351). Additionally, it should be noted that previous Phase I ESA Reports were completed in January 2011 and December 2015 for the project Site. The 2011 Phase I ESA was performed by EEA, Inc. for Sam Schwartz Engineering of New York, New York on behalf of EMMES Asset Management Company Ltd., LLC. The December 2015 Phase I ESA was conducted by GEI. Compared to the findings within the Phase I ESA performed for this Site in January 2011 by EEA, Inc., and December 2015 and August 2018 by GEI, no significant changes to the building had been identified, except for the in-place closure of one UST in April 2018.

This report summarizes the work performed by GEI, the analytical results of the investigation, and provides any recommendations for further testing or remedial actions.

The project Site is located on the east side of Gerard Avenue, between East 150th Street and East 151st Street, in the Borough of the Bronx, New York City, New York (**Figure 1**). The New York City Tax Map identification number associated with the project Site is Block 2353, Lot 1. The project Site was occupied by a single-story garage building. The subject building, which measures approximately 31,200 square feet in area, primarily covers the project Site except for a 3-foot path on the east side of the building. The building is currently vacant and was most recently utilized as a furniture warehouse. No visible indications of on-Site waste disposal of toxic and/or hazardous materials were observed at the time of inspection. No operations involving the use of toxic or hazardous materials were present on the project Site at the time of the Site assessment.

The Site currently has an E-designation (E Number E-292) issued by New York City Department of Environmental Protection (NYCDEP) during the City Environmental Quality Review process. Prior to redevelopment, the Site environmental concerns will need to be addressed through the New York City Office of Environmental Remediation (NYCOER) E-Designation Program.

1.1 Previous Reports

As previously mentioned, GEI completed a Phase I ESA in August 2018 and December 2015. Additionally, it should be noted that a 2011 Phase I ESA was performed by EEA, Inc. Compared to the findings within the Phase I ESA performed for this Site in January 2011 by EEA, Inc., and December 2015 and August 2018 by GEI, no significant changes to the

building had been identified, except for the in-place closure of one UST in April 2018. The conclusions of these reports revealed that similar recognized environmental conditions (RECs) were identified that pertained to gasoline storage tanks, hydraulic lift units, a fuel oil storage tank, and interior floor drains.

2. Subsurface Investigation Activities

GEI completed field activities on August 9 and 10, 2018. These activities included a subsurface investigation and limited geophysical survey.

2.1 Pre-Mobilization Activities

All activities on-Site were completed under the Site-Specific Health and Safety Plan (HASP). The HASP assigns responsibilities, establishes personal protection standards, recommends operating procedures, and provides for contingencies that may arise during performance of the assessment at the Site. The protocols in the HASP applied to all personnel involved in the work activities including GEI, all outside subcontractors, client, or regulatory agencies present during the performance of the work.

Cascade Technical Services (Cascade) was the subcontractor on-Site that completed the subsurface drilling under direction of GEI. Prior to mobilization, Cascade notified One Call 811 under the New York State Regulation Code 753 to identify the location of underground utilities near the proposed boring locations. The Dig Safe mark out number assigned was 181390101.

2.2 Subsurface Investigation

2.2.1 Soil Borings

Eight (8) soil borings (SB-1 through SB-8) were advanced in strategically selected locations throughout the project Site based on the previously identified RECs. A total of 15 soil samples were collected. The varying sample collection depths were the result of drilling refusal being encountered at depths ranging from 5 to 25 feet bls, in this case below the floor slab, during the investigation. Details for each boring location are summarized as follows:

Boring ID	Sample Depths (feet bls)	Termination Depth (feet bls)
SB-1	0-2 and 21-23	25, drilling refusal on rock, moist at bottom
SB-2(GW)	0-2 and 21-23	25, water table
SB-3	0-2	5, drilling refusal on rock
SB-4	0-2 and 17-19	20, water table
SB-5(GW)	0-2 and 10-12	25, water table
SB-6	0-2 and 10-12	20, no impacts
SB-7	0-2 and 10-12	19, drilling refusal on rock
SB-8	0-2 and 17-19	19.5, drilling refusal on rock

Laboratory analysis included analysis for Target Compound List (TCL) Volatile Organic Compounds (VOCs) by United States Environmental Protection Agency (USEPA) 8260,

TCL Semi-Volatile Organic Compounds (SVOCs) by USEPA Method 8270, Target Analyte List (TAL) Metals, Pesticides by USEPA 8081, and Polychlorinated Biphenyls (PCBs) by USEPA Method 8082.

2.2.2 Groundwater Grab Sample Collection

Groundwater was encountered at approximately 24 feet bls in soil boring SB-2 and SB-5, and approximately 20 feet bls in SB-4. No groundwater was encountered at the remaining locations, except for SB-1 where the soil immediately above the bedrock was moist, but groundwater was not able to be collected due to low permeability soil conditions.

Groundwater was collected by installing a temporary 1-inch diameter poly-vinyl chlorinated (PVC) slotted monitoring well screen and riser pipe into the existing soil bore hole after soil samples were collected. Groundwater grab samples were collected from each location using a peristaltic pump and dedicated tubing. Both groundwater samples were submitted for laboratory analysis for TCL VOCs by USEPA 8260, TCL SVOCs by USEPA Method 8270, TAL Metals, Pesticides by USEPA 8081, and PCBs by USEPA Method 8082.

2.2.3 Soil Vapor Sample Collection

Four (4) sub-slab soil vapor samples were collected from approximately 6-inches beneath the floor slab. Each sample was collected in a 6-Liter Summa canister with a regulator set to fill over the course of approximately two (2) hours. Each Summa canister was submitted for analysis of VOCs via TO-15.

2.2.4 Limited Geophysical Survey

Ground Penetrating Radar Systems, LLC (GPRS), under the direction of GEI, performed an electronic magnetometer (EM) and ground penetrating radar (GPR) survey to identify and determine the location of any unknown subsurface features of potential environmental concern (anomalies) such as USTs, underground drainage systems, or hydraulic lifts. GPRS used a Geophysical Survey Systems Inc. SIR-3000 cart-mounted GPR unit with a 400 MHz and Radio detection RD7000 precision utility locator to collect data from selected boring locations and an area in the southwestern portion of the project Site that is likely the former location of the 550-gallon gasoline USTs.

2.2.5 On-Site Field Activities

Cascade utilized a Geoprobe® Model 7822DT with MacroCore sleeves for the boring locations. Soil borings were advanced in continuous 5-foot intervals and were completed with a dedicated, acetate liner used to retrieve and observe the soil. The soil was inspected for staining and odors prior to field screening for organic vapors utilizing a photoionization detector (PID).

2.3 Sampling Activities

GEI implements a Quality Assurance and Quality Control Plan (QA/QC) to ensure sample integrity and avoid contamination and/or cross-contamination of samples. All reusable sampling equipment was cleaned before each sample was collected and disposable, one-use equipment (i.e., disposable nitrile gloves) were utilized to the extent possible during this sampling event. Preference to sampling was given to soils that had the greatest impacts noted, either by visual staining or record of elevated organic vapors identified by the PID. Samples were selected for laboratory analysis as follows:

- The 0-2-foot interval bls, (in this case below the building's floor slab);
- The 2-foot interval exhibiting the highest PID reading and/or visual and/or olfactory observations indicating impacts;
- If no impacts are observed, the 0-2-foot bls and 2-foot interval immediately above the water table or bedrock (if encountered);
- If no impacts were observed, and the water table/bedrock were not observed, the 10- to 12-foot bls interval was selected for analysis, as this would represent the typical depth of redevelopment excavation for structures with a potential basement.

2.4 Soil Quality

The boring and sampling locations are identified on **Figure 2**. Boring logs that detail the sampling, PID readings and sensory findings are included as **Appendix A**. The soil composition of the eight (8) borings was similar, with predominantly fine to medium-grained sand along with silt found to exist from the surface to the terminus of the borings. Groundwater was encountered in two borings at approximately 23 feet bls.

During the sampling, a petroleum-like odor, along with an elevated PID reading were observed at location SB-2 at the intersection of the groundwater table. No other petroleum odors or elevated PID readings or other visual/olfactory signs of contamination were noted during the investigation.

The selected soil sample from each test boring location was collected and placed in laboratory supplied sample jars. The sample jars were then placed in a cooler on ice and chilled in accordance with standard operating procedures prior to delivery to the laboratory for analysis.

3. Sample Analysis Findings

Samples collected during the field work were submitted for analysis to York Analytical Laboratories (York) located at 120 Research Drive, Stratford, Connecticut. York is National Environmental Laboratory Accreditation Program laboratory with certification in New York as NY Lab Id No. 10854. The laboratory analytical reports and associated Chain-of-Custody forms are provided in **Appendix B**.

Table 1 presents the soil sampling results (SB-1 through SB-8) and a comparison to NYSDEC Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (UUSCOs) and NYSDEC Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objectives (RRUSCOs). The soil samples were analyzed for TCL VOCs by USEPA 8260, TCL SVOCs by USEPA Method 8270, TAL Metals, Pesticides by USEPA 8081, and PCBs by USEPA Method 8082.

Table 2 presents the groundwater sampling results (SB-2[GW]) and (SB-5[GW]) provides a comparison to NYSDEC Division of Water Technical and Operation Guidance Series (TOGS) Guidance Values. The groundwater samples were analyzed for TCL VOCs by USEPA 8260, TCL SVOCs by USEPA Method 8270, TAL Metals, Pesticides by USEPA 8081, and PCBs by USEPA Method 8082.

Table 3 presents the soil vapor sampling results (SV-1 through SV-4) and a comparison to the New York State Department of Health (NYSDOH) Center for Environmental Health (CEH) Bureau of Environmental Exposure Investigation (BEEI) Final Guidance for Evaluation Soil Vapor Intrusion in the state of New York (updated May 2017).

4. Summary, Conclusions, and Recommendations

This investigation was performed to determine the present environmental conditions at the Site, in support of property transfer.

Summary and Conclusions

Limited Geophysical Survey

All proposed soil boring locations were cleared of private utilities on August 9, 2018 by GPRS. Additionally, the southeastern quadrant of the Site was scanned for the presence of USTs. No USTs were identified during the limited geophysical survey.

Soil Quality

The results included exceedances of RRUSCOs for metals in six (6) of eight (8) borings, SVOCs in four (4) borings, and PCBs in two (2) borings. Metals and Total PCBs were detected at the highest concentrations in SB-3 at a depth of 0-2 feet bls. SVOCs were detected above RRUSCOS in four borings, with the highest concentrations revealed in SB-7 at a depth of 0-2 feet. Pesticides were also detected at concentrations above UUSCOs but below RRUSCOs in four (4) borings, with the highest concentration detected in boring SB-8 at a depth of 0-2 feet.

No soil impacts were observed in the areas of the RECs identified in the Phase I ESA. The sitewide, predominantly shallow distribution and nature of these impacts (metals, SVOCs, pesticides, and PCBs) are typical of urban fill throughout New York City and do not represent a significant source area of contamination at the Site. The presence of fill material beneath the Site is unlikely to impede redevelopment of the Site. As part of the requirements of the NYCOER E-designation program, any soil/fill material removed from the Site will require appropriate characterization and disposal at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal of such material.

Groundwater Quality

VOCs including 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Chloroform, Isopropylbenzene, n-Butylbenzene, n-Propylbenzene, and Napthalene were detected at concentrations above NYSDEC TOGs standards in groundwater sample SB-2(GW). No detections above NYSDEC TOGs Guidance Values were detected in groundwater sample SB-5 (GW).

Although no permanent groundwater monitoring wells were installed as part of this investigation, based on the Phase I findings, groundwater is anticipated to flow in a southerly

direction, toward the Harlem River. No impacts to groundwater were observed in the areas of the RECs identified in the Phase I ESA. The location of the limited degraded hydrocarbon detections in groundwater at SB-2(GW) on the upgradient side of the Site, on the opposite side of the building from the locations of former USTs associated with historical operations, is indicative of an upgradient off-Site source impacting groundwater that travels beneath the north-northwestern corner of the Site. The lack of detections in the groundwater sample collected at SB-5(GW) further supports the limited nature of the groundwater impacts. The limited impacts to groundwater in SB-2(GW) are unlikely to impede redevelopment at the Site since groundwater in New York City is not utilized for municipal purposes, potable water is acquired through the New York City public water supply.

Soil Vapor Quality

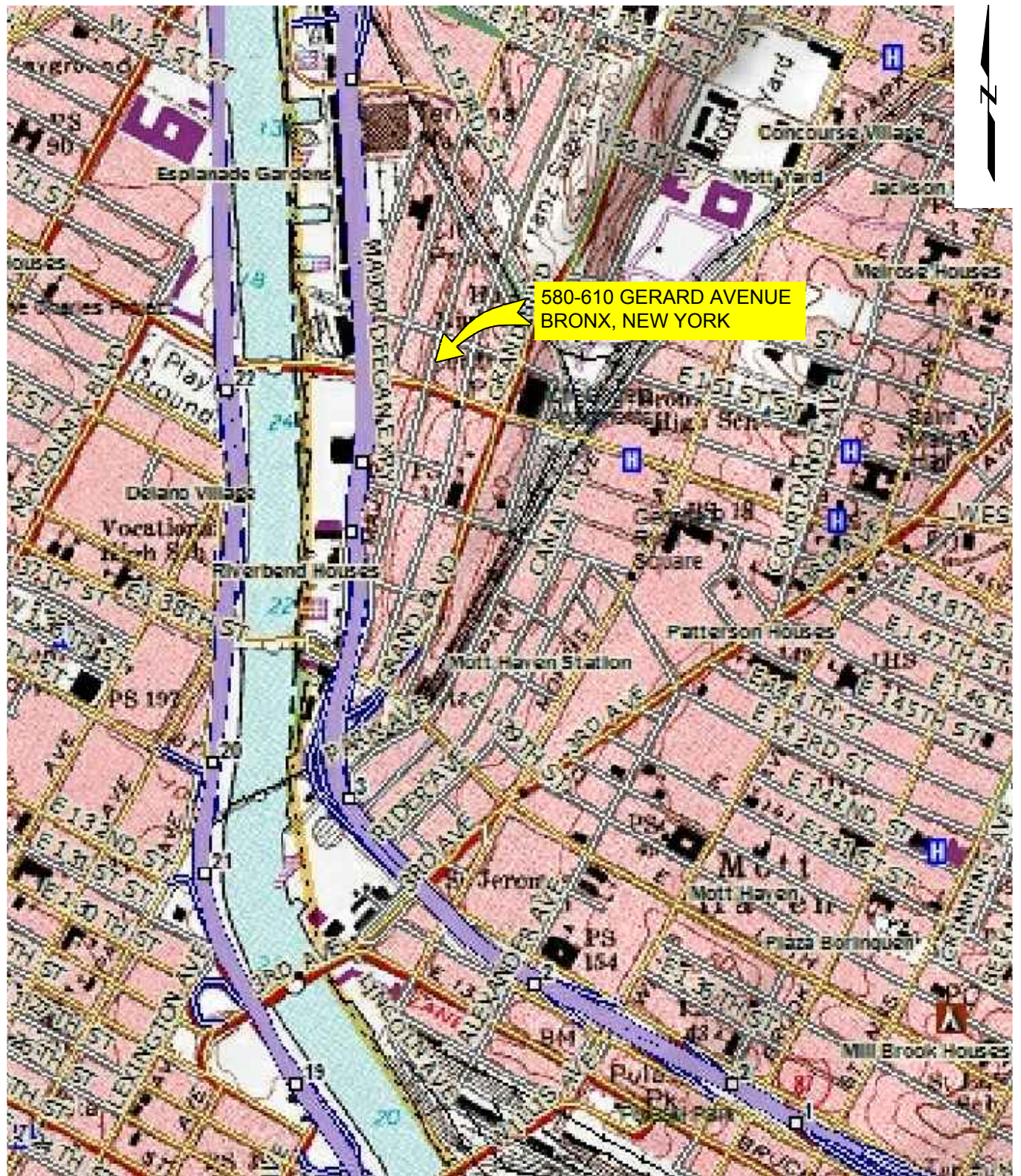
VOCs were detected in soil vapor at predominantly low levels throughout the project Site. No impacts to soil vapor were observed in the areas of the RECs identified in the Phase I ESA. The concentrations are typical of locations where urban fill soil is found in the subsurface soil materials. However, elevated tetrachloroethene was detected in soil vapor sample SV-2. Sample results for tetrachloroethene in groundwater or soil samples both in the vicinity of SV-2, and across the Site as a whole, were either non-detect or two to three orders of magnitude below the UUSCOs, indicating this condition is unlikely to be related to an on-Site source. Based on this detection, soil vapor intrusion would need to be evaluated for any future construction on the Site.

Recommendations

Based upon the above findings, it is GEI's professional opinion that no further investigations/actions are necessary. However, the Site currently has an E-designation (E Number E-292) issued by NYCDEP during the City Environmental Quality Review process. Prior to redevelopment, the Site environmental concerns will need to be addressed through the NYCOER E-Designation Program which typically requires a full subsurface investigation, remedial and health and safety planning, implementation of a remedial program, and documentation that the remedial program was completed under the direction of NYCOER during redevelopment of the property.

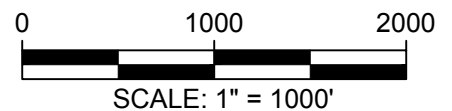
As required by the NYCOER E-designation program, prior to redevelopment, a Remedial Action Work Plan (RAWP) would be prepared and a remedy will be selected based on the remedial investigation results in conjunction with the proposed redevelopment to address the soil, soil vapor, and groundwater impacts that are present on the Site. Any soil/fill material removed from the Site will require appropriate characterization and disposal at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal of such material.

Figures



SOURCE:

USGS CENTRAL PARK QUADRANGLE MAP



REMEDIAL INVESTIGATION REPORT
580-610 GERARD AVENUE
BRONX, NEW YORK

HUNTON ANDREWS KURTH, LLP.
RICHMOND, VIRGINIA



Project 1803080

SITE LOCATION MAP

September 2018

Fig. 1

Sample Name Depth (ft.)	SB-1 (0'-2') 0-2	SB-1 (21'-23') 21-23
Pesticides (mg/Kg)		
4,4'-DDT	0.00819 D	0.00178 U
Metals (mg/Kg)		
Copper	106	46.1
Lead	398	150
Zinc	375	129
Mercury	0.395	0.457

Sample ID	SB-4 (0'-2')	SB-4 (17'-19')
Sample Depth (ft.)	0-2	17-19
VOCs (mg/kg)		
Acetone	0.0300	0.0740
Metals (mg/gKg)		
Barium	938	29.900
Lead	397	5.460
Zinc	210	38.200
Mercury	0.909	0.0322 U
PCBs (mg/Kg)		
Total PCBs	4.97 D	0.0178

Sample ID	SB-6 (0'-2')	SB-6 (10'-12')
Sample Depth (ft.)	0-2	10-12
VOCs (mg/Kg)		
Acetone	0.110	0.140
SVOCs (mg/Kg)		
Benzo(a)anthracene	1.05 D	0.143 D
Benzo(a)pyrene	1.1 D	0.165 D
Benzo(k)fluoranthene	0.903 D	0.153 D
Chrysene	1.09 D	0.16 D
Indeno(1,2,3-cd)pyrene	0.515 D	0.088 D
Pesticides (mg/Kg)		
4,4'-DDT	0.00469 D	0.00207 D
Metals (mg/Kg)		
Barium	215	879
Lead	328	92.200
Nickel	16.700	47.200
Zinc	262	232
Mercury	0.286	0.0860

Sample ID	SB-2 (GW)	Sample Name Depth (ft.)	SB-2 (0'-2') 0-2	SB-2 (21'-23') 21-23
VOCs (ug/L)		SVOCs (mg/Kg)		
1,2,4-Trimethylbenzene	1200 D	Benzo(a)anthracene	1.22 D	0.472 D
1,3,5-Trimethylbenzene	340 D	Benzo(a)pyrene	1.27 D	0.527 D
Chloroform	10 D	Benzo(b)fluoranthene	1.03 D	0.433 D
Isopropylbenzene	47 D	Benzo(k)fluoranthene	1.09 D	0.467 D
n-Butylbenzene	43 D	Chrysene	1.27 D	0.467 D
n-Propylbenzene	110 D	Indeno(1,2,3-cd)pyrene	0.589 D	0.258 D
p-Isopropyltoluene	7.2 D	Pesticides (mg/Kg)		
sec-Butylbenzene	12 D	4,4'-DDT	0.00684 DP	0.0107 D
SVOCs (ug/L)		Metals (mg/Kg)		
Naphthalene	19.600	Barium	875	495
		Lead	109	35.6
		Zinc	259	117

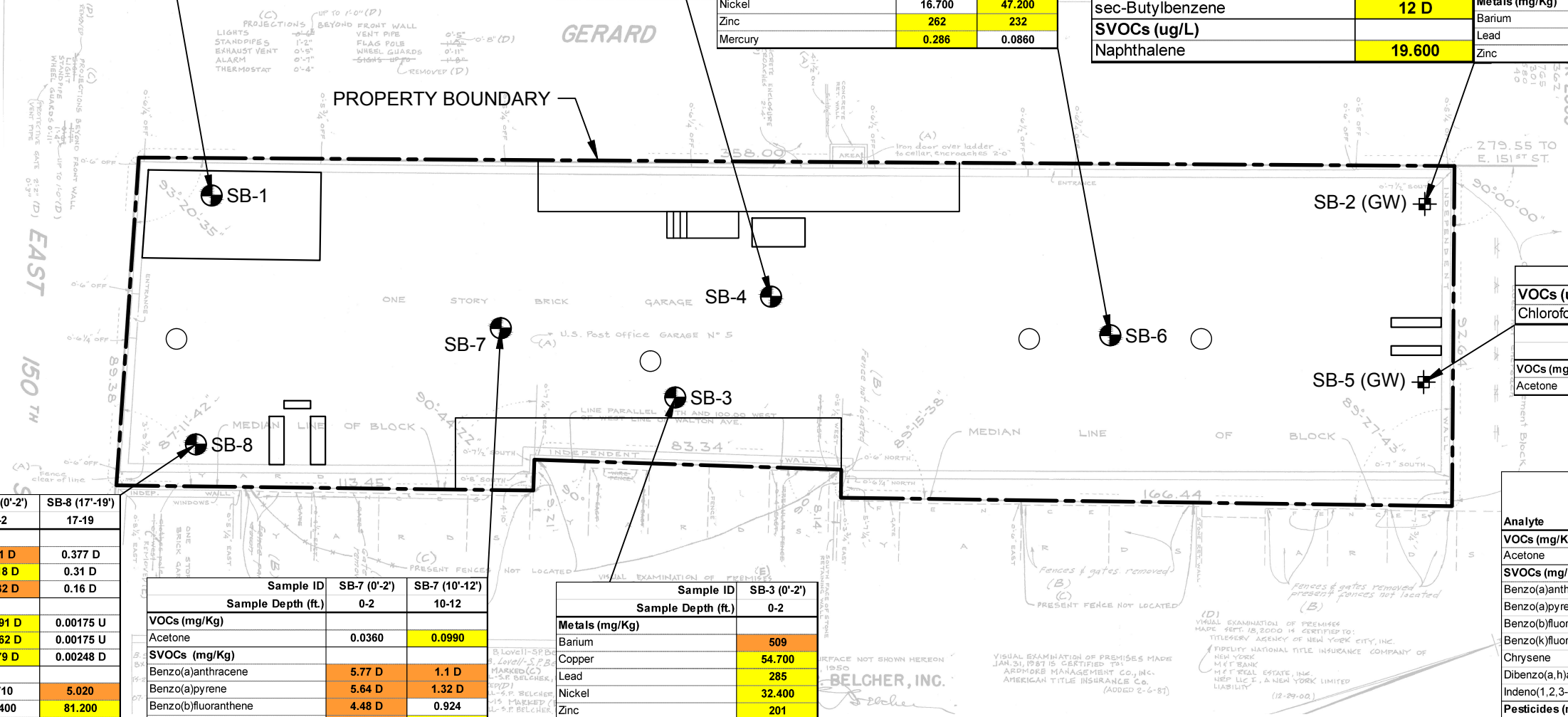
Sample ID		SB-5 (GW)
VOCs (ug/L)		
Chloroform		16
Sample ID	SB-5 (0'-2')	SB-5 (10'-12')
Sample Depth (ft.)	0-2	10-12
VOCs (mg/Kg)		
Acetone	0.4	0.170

Sample ID	SB-8 (0'-2')	SB-8 (17'-19')
Sample Depth (ft.)	0-2	17-19
SVOCs (mg/Kg)		
Benzo(a)pyrene	1.11 D	0.377 D
Benzo(k)fluoranthene	0.918 D	0.31 D
Indeno(1,2,3-cd)pyrene	0.532 D	0.16 D
Pesticides (mg/Kg)		
4,4'-DDD	0.0591 D	0.00175 U
4,4'-DDE	0.0562 D	0.00175 U
4,4'-DDT	0.179 D	0.00248 D
Metals (mg/Kg)		
Cadmium	0.710	5.020
Copper	39.400	81.200
Lead	225	273
Zinc	554	2,110
Mercury	1.710	0.780
PCBs (mg/Kg)		
Total PCBs	0.958	0.0176 U

Sample ID	SB-7 (0'-2')	SB-7 (10'-12')
Sample Depth (ft.)	0-2	10-12
VOCs (mg/Kg)		
Acetone	0.0360	0.0990
SVOCs (mg/Kg)		
Benzo(a)anthracene	5.77 D	1.1 D
Benzo(a)pyrene	5.64 D	1.32 D
Benzo(b)fluoranthene	4.48 D	0.924
Benzo(k)fluoranthene	4.59 D	0.928 D
Chrysene	6.09 D	1.21 D
Dibenzo(a,h)anthracene	1.09 D	0.216
Indeno(1,2,3-cd)pyrene	2.84 D	0.538 D
Pesticides (mg/Kg)		
4,4'-DDT	0.0114 D	0.00179 U
Metals (mg/Kg)		
Copper	103	98.600
Lead	358	338
Zinc	253	210
Mercury	0.694	0.583
PCBs (mg/Kg)		
Total PCBs	0.109	0.0181 U

Sample ID	SB-3 (0'-2')
Sample Depth (ft.)	0-2
Metals (mg/Kg)	
Barium	509
Copper	54.700
Lead	285
Nickel	32.400
Zinc	201
Mercury	0.474
PCBs (mg/Kg)	
Total PCBs	9.11 D

Analyte	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential
VOCs (mg/Kg)		
Acetone	0.05	100
SVOCs (mg/Kg)		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	1
Chrysene	1	1
Dibenzo(a,h)anthracene	0.33	0.33
Indeno(1,2,3-cd)pyrene	0.5	0.5
Pesticides (mg/Kg)		
4,4'-DDD	0.0033	2.6
4,4'-DDE	0.0033	1.8
4,4'-DDT	0.0033	1.7
Metals (mg/kg)		
Barium	350	350
Cadmium	2.5	2.5
Copper	50	270
Lead	63	400
Nickel	30	140
Zinc	109	2200
Mercury	0.18	0.81
PCBs (mg/Kg)		
Total PCBs	0.1	1



NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

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

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

NT=this indicates the analyte was not a target for this sample

~this indicates that no regulatory limit has been established for this analyte

0 40 80

SCALE: 1" = 40'

LEGEND

 SOIL BORING LOCATION

SOURCE:
1. PLAN BASED ON MAP PREPARED BY EARL B. LOVELL - S.P. BELCHER, INC.

PHASE II ENVIRONMENTAL SITE ASSESSMENT
580-610 GERARD AVENUE
BRONX, NEW YORK

HUNTON ANDREWS KURTH, LLP.
RICHMOND, VIRGINIA

GEI Consultants
Project 1803080

SOIL AND GROUNDWATER SAMPLE LOCATION MAP	
September 2018	Fig. 3

Sample ID	SV-4
VOCs (ug/m³)	Result
1,2,4-Trimethylbenzene	12D
2-Butanone	25D
4-Methyl-2-pentanone	3.5D
Acetone	110D
Benzene	3.1D
Carbon disulfide	43D
Chloromethane	1.9D
Cyclohexane	11D
Ethyl Benzene	8.2D
Isopropanol	47D
Methylene chloride	6.2D
n-Hexane	11D
o-Xylene	12D
p- & m- Xylenes	32D
Propylene	27D
Tetrachloroethylene	35D
Tetrahydrofuran	6.2D
Toluene	22D

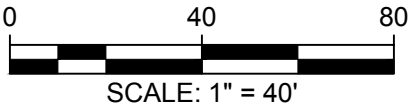
Sample ID	SV-1
VOCs (ug/m³)	Result
1,1,1-Trichloroethane	4.6D
1,2,4-Trimethylbenzene	8.2D
1,3-Butadiene	4.5D
1,3-Dichlorobenzene	7.7D
2-Butanone	120D
4-Methyl-2-pentanone	8D
Acetone	660D
Benzene	7.6D
Cyclohexane	7.2D
Ethyl Benzene	7.5D
Isopropanol	140D
n-Heptane	21D
n-Hexane	11D
o-Xylene	11D
p- & m- Xylenes	30D
Propylene	28D
Tetrachloroethylene	56D
Tetrahydrofuran	16D
Toluene	26D

Sample ID	SV-2
VOCs (ug/m³)	Result
1,2,4-Trimethylbenzene	10D
2-Butanone	26D
Acetone	150D
Benzene	4.4D
Carbon disulfide	12D
Chloromethane	1.6D
Cyclohexane	3.7D
Ethyl Benzene	7.9D
Isopropanol	67D
Methylene chloride	37D
n-Hexane	8.4D
o-Xylene	11D
p- & m- Xylenes	31D
Propylene	15D
Tetrachloroethylene	460D
Tetrahydrofuran	5.6D
Toluene	18D

Sample ID	SV-3
VOCs (ug/m³)	Result
1,2,4-Trimethylbenzene	47D
1,3,5-Trimethylbenzene	25D
1,3-Butadiene	7.8D
2-Butanone	62D
4-Methyl-2-pentanone	8.8D
Acetone	180D
Benzene	23D
Carbon disulfide	31D
Chloroform	4.5D
Chloromethane	3.3D
Cyclohexane	46D
Ethyl Benzene	22D
Isopropanol	60D
Methyl tert-butyl ether (MTBE)	8.4D
Methylene chloride	6.9D
n-Heptane	120D
n-Hexane	75D
o-Xylene	28D
p- & m- Xylenes	73D
p-Ethyltoluene	29D
Propylene	130DE
Tetrachloroethylene	44D
Tetrahydrofuran	22D
Toluene	47D

Note
D=result is from an analysis that required a dilution

SOURCE:
1. PLAN BASED ON MAP PREPARED BY EARL B. LOVELL - S.P. BELCHER, INC



LEGEND
⊗ SOIL VAPOR LOCATION

PHASE II ENVIRONMENTAL SITE ASSESSMENT
580-610 GERARD AVENUE
BRONX, NEW YORK

HUNTON ANDREWS KURTH, LLP.
RICHMOND, VIRGINIA

GEI Consultants

SOIL VAPOR SAMPLE
LOCATION MAP

Project 1803080September 2018Fig. 4

Tables

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-1 (0'-2')		SB-1 (21'-23')		SB-2 (0'-2')		SB-2 (21'-23')		SB-3 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
1,1,1,2-Tetrachloroethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,1,1-Trichloroethane	0.68	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,1,2,2-Tetrachloroethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,1,2-Trichloroethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,1-Dichloroethane	0.27	19	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,1-Dichloroethylene	0.33	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,2,3-Trichlorobenzene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,2,3-Trichloropropane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,2,4-Trichlorobenzene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,2,4-Trimethylbenzene	3.6	47	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.022	
1,2-Dibromo-3-chloropropane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,2-Dibromoethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,2-Dichlorobenzene	1.1	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,2-Dichloroethane	0.02	2.3	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,2-Dichloropropane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,3,5-Trimethylbenzene	8.4	47	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0096	
1,3-Dichlorobenzene	2.4	17	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,4-Dichlorobenzene	1.8	9.8	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,4-Dioxane	0.1	9.8	0.055	U	0.0540	U	0.0520	U	0.051	U	0.054	U
2-Butanone	0.12	100	0.0028	U	0.0027	U	0.0026	U	0.0040	J	0.0027	U
2-Hexanone	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
4-Methyl-2-pentanone	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Acetone	0.05	100	0.0083	J	0.023		0.035		0.031		0.041	
Acrolein	~	~	0.0055	U	0.0054	U	0.0052	U	0.0051	U	0.0054	U
Acrylonitrile	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Benzene	0.06	2.9	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Bromochloromethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Bromodichloromethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Bromoform	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Bromomethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Carbon disulfide	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Carbon tetrachloride	0.76	1.4	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Chlorobenzene	1.1	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Chloroethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Chloroform	0.37	10	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Chloromethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
cis-1,2-Dichloroethylene	0.25	59	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
cis-1,3-Dichloropropylene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Cyclohexane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Dibromochloromethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Dibromomethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Dichlorodifluoromethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Ethyl Benzene	1	30	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0034	J
Hexachlorobutadiene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-1 (0'-2')		SB-1 (21'-23')		SB-2 (0'-2')		SB-2 (21'-23')		SB-3 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Isopropylbenzene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Methyl acetate	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Methyl tert-butyl ether (MTBE)	0.93	62	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Methylcyclohexane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Methylene chloride	0.05	51	0.0055	U	0.0054	U	0.0052	U	0.0051	U	0.0054	U
n-Butylbenzene	12	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
n-Propylbenzene	3.9	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
o-Xylene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0075	
p- & m- Xylenes	~	~	0.0055	U	0.0054	U	0.0052	U	0.0051	U	0.0140	
p-Isopropyltoluene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
sec-Butylbenzene	11	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Styrene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
tert-Butyl alcohol (TBA)	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0072	
tert-Butylbenzene	5.9	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Tetrachloroethylene	1.3	5.5	0.0077		0.0027	U	0.0065		0.0074		0.0027	U
Toluene	0.7	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0062	
trans-1,2-Dichloroethylene	0.19	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
trans-1,3-Dichloropropylene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
trans-1,4-dichloro-2-butene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Trichloroethylene	0.47	10	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Trichlorofluoromethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Vinyl Chloride	0.02	0.21	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Xylenes, Total	0.26	100	0.0083	U	0.0081	U	0.0078	U	0.0077	U	0.022	
Semi-Volatiles, 8270 - Comprehensive	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			2		2		2		2		2	
1,1-Biphenyl	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
1,2,4,5-Tetrachlorobenzene	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
1,2,4-Trichlorobenzene	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
1,2-Dichlorobenzene	1.1	100	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
1,2-Diphenylhydrazine (as Azobenzene)	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
1,3-Dichlorobenzene	2.4	17	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
1,4-Dichlorobenzene	1.8	9.8	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2,3,4,6-Tetrachlorophenol	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
2,4,5-Trichlorophenol	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2,4,6-Trichlorophenol	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2,4-Dichlorophenol	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2,4-Dimethylphenol	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2,4-Dinitrophenol	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
2,4-Dinitrotoluene	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2,6-Dinitrotoluene	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2-Chloronaphthalene	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2-Chlorophenol	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2-Methylnaphthalene	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2-Methylphenol	0.33	100	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2-Nitroaniline	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
2-Nitrophenol	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
3- & 4-Methylphenols	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-1 (0'-2')		SB-1 (21'-23')		SB-2 (0'-2')		SB-2 (21'-23')		SB-3 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
3,3-Dichlorobenzidine	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
3-Nitroaniline	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
4,6-Dinitro-2-methylphenol	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
4-Bromophenyl phenyl ether	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
4-Chloro-3-methylphenol	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
4-Chloroaniline	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
4-Chlorophenyl phenyl ether	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
4-Nitroaniline	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
4-Nitrophenol	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
Acenaphthene	20	100	0.0590	JD	0.0451	U	0.215	D	0.0427	U	0.0454	U
Acenaphthylene	100	100	0.112	D	0.0451	U	0.0739	JD	0.114	D	0.0454	U
Acetophenone	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Aniline	~	~	0.185	U	0.180	U	0.173	U	0.171	U	0.182	U
Anthracene	100	100	0.171	D	0.0451	U	0.366	D	0.116	D	0.0454	U
Atrazine	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Benzaldehyde	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Benzidine	~	~	0.185	U	0.180	U	0.173	U	0.171	U	0.182	U
Benzo(a)anthracene	1	1	0.692	D	0.131	D	1.22	D	0.472	D	0.108	D
Benzo(a)pyrene	1	1	0.824	D	0.173	D	1.27	D	0.527	D	0.159	D
Benzo(b)fluoranthene	1	1	0.659	D	0.137	D	1.03	D	0.433	D	0.160	D
Benzo(g,h,i)perylene	100	100	0.433	D	0.152	D	0.600	D	0.269	D	0.147	D
Benzo(k)fluoranthene	0.8	1	0.703	D	0.129	D	1.09	D	0.467	D	0.125	D
Benzoic acid	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Benzyl alcohol	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Benzyl butyl phthalate	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0522	JD
Bis(2-chloroethoxy)methane	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Bis(2-chloroethyl)ether	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Bis(2-chloroisopropyl)ether	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Bis(2-ethylhexyl)phthalate	~	~	0.0664	JD	0.0451	U	0.0497	JD	0.290	D	0.0454	U
Caprolactam	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
Carbazole	~	~	0.0561	JD	0.0451	U	0.155	D	0.0427	U	0.0454	U
Chrysene	1	1	0.739	D	0.147	D	1.27	D	0.467	D	0.129	D
Dibenzo(a,h)anthracene	0.33	0.33	0.161	D	0.0451	U	0.222	D	0.0988	D	0.0454	U
Dibenzofuran	7	14	0.0463	U	0.0451	U	0.0794	JD	0.0427	U	0.0454	U
Diethyl phthalate	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Dimethyl phthalate	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Di-n-butyl phthalate	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Di-n-octyl phthalate	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Fluoranthene	100	100	1.360	D	0.234	D	2.370	D	0.929	D	0.116	D
Fluorene	30	100	0.0480	JD	0.0451	U	0.116	D	0.0427	U	0.0454	U
Hexachlorobenzene	0.33	0.33	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Hexachlorobutadiene	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Hexachlorocyclopentadiene	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Hexachloroethane	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.370	D	0.0920	D	0.589	D	0.258	D	0.125	D
Isophorone	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Naphthalene	12	100	0.0463	U	0.0451	U	0.0829	JD	0.0427	U	0.0454	U

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-1 (0'-2')		SB-1 (21'-23')		SB-2 (0'-2')		SB-2 (21'-23')		SB-3 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Nitrobenzene	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
N-Nitrosodimethylamine	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
N-nitroso-di-n-propylamine	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
N-Nitrosodiphenylamine	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Pentachlorophenol	0.8	2.4	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Phenanthrene	100	100	0.624	D	0.119	D	1.520	D	0.515	D	0.0486	JD
Phenol	0.33	100	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Pyrene	100	100	1.160	D	0.220	D	2	D	0.840	D	0.112	D
Pesticides, 8081 target list	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			5		5		5		5		5	
4,4'-DDD	0.0033	2.6	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
4,4'-DDE	0.0033	1.8	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
4,4'-DDT	0.0033	1.7	0.00819	D	0.00178	U	0.00684	DP	0.0107	D	0.00178	U
Aldrin	0.005	0.019	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
alpha-BHC	0.02	0.097	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
alpha-Chlordane	0.094	0.91	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
beta-BHC	0.036	0.072	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
Chlordane, total	~	~	0.0365	U	0.0356	U	0.0340	U	0.0337	U	0.0357	U
delta-BHC	0.04	100	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
Dieldrin	0.005	0.039	0.00239	D	0.00178	U	0.00261	D	0.00411	DP	0.00178	U
Endosulfan I	2.4	4.8	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
Endosulfan II	2.4	4.8	0.00183	U	0.00178	U	0.00170	U	0.00364	DP	0.00178	U
Endosulfan sulfate	2.4	4.8	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
Endrin	0.014	2.2	0.00514	D	0.00178	U	0.00348	D	0.00923	D	0.00178	U
Endrin aldehyde	~	~	0.00230	D	0.00178	U	0.00217	D	0.00355	D	0.00178	U
Endrin ketone	~	~	0.00660	DP	0.00178	U	0.00170	U	0.0128	DP	0.00178	U
gamma-BHC (Lindane)	0.1	0.28	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
gamma-Chlordane	~	~	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
Heptachlor	0.042	0.42	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
Heptachlor epoxide	~	~	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
Methoxychlor	~	~	0.00913	U	0.00890	U	0.00849	U	0.00842	U	0.00892	U
Toxaphene	~	~	0.0924	U	0.0901	U	0.0860	U	0.0852	U	0.0903	U
Metals, Target Analyte	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
Aluminum	~	~	7,690		11,700		9,310		15,300		16,900	
Antimony	~	~	3.370	B	2.180	B	1.550	B	2.880	B	3.590	B
Arsenic	13	16	7.140		4.200		4.570		4.790		5.570	
Barium	350	350	253		162		875		495		509	
Beryllium	7.2	14	0.138		0.108	U	0.104	U	0.102	U	0.109	U
Cadmium	2.5	2.5	0.713		0.324	U	0.399		0.344		0.659	
Calcium	~	~	15,400		15,300		8,150		6,910		12,600	
Chromium	~	~	19.400		23		17.700		43.800		41.700	
Cobalt	~	~	7.950		14.200		7.610		14.500		17.500	
Copper	50	270	106		46.100		29.800		27.200		54.7	
Iron	~	~	17,900		24,300		14,700		29,300		31600	
Lead	63	400	398		150		109		35.600		285	
Magnesium	~	~	4,150		7,310		3,900		7,500		9,970	

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-1 (0'-2')		SB-1 (21'-23')		SB-2 (0'-2')		SB-2 (21'-23')		SB-3 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Manganese	1600	2000	348		359		294		408		362	
Nickel	30	140	22.100		24		15.500		23.700		32.4	
Potassium	~	~	1,720	B	3,890	B	1,860	B	8,780	B	8,690	B
Selenium	3.9	36	1.110	U	1.080	U	1.040	U	1.020	U	1.090	U
Silver	2	36	0.554	U	0.541	U	0.518	U	0.511	U	0.544	U
Sodium	~	~	339	B	200	B	169	B	195	B	319	B
Thallium	~	~	1.110	U	1.080	U	1.040	U	1.020	U	1.090	U
Vanadium	~	~	22.900		31.300		21.600		46.700		47.500	
Zinc	109	2200	375		129		259		117		201	
Mercury by 7473	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
Mercury	0.18	0.81	0.395		0.457		0.171		0.0959		0.474	
Total Solids			%		%		%		%		%	
Dilution Factor			1		1		1		1		1	
% Solids	~	~	90.3		92.5		96.6		97.8		92	
Polychlorinated Biphenyls (PCB)	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		10	
Aroclor 1016	~	~	0.0184	U	0.018	U	0.0172	U	0.017	U	0.18	U
Aroclor 1221	~	~	0.0184	U	0.018	U	0.0172	U	0.017	U	0.18	U
Aroclor 1232	~	~	0.0184	U	0.018	U	0.0172	U	0.017	U	0.18	U
Aroclor 1242	~	~	0.0184	U	0.018	U	0.0172	U	0.017	U	0.18	U
Aroclor 1248	~	~	0.0184	U	0.018	U	0.0172	U	0.017	U	0.18	U
Aroclor 1254	~	~	0.0184	U	0.018	U	0.0172	U	0.017	U	7.69	D
Aroclor 1260	~	~	0.0184	U	0.018	U	0.0342		0.0499		1.41	D
Total PCBs	0.1	1	0.0184	U	0.018	U	0.0342		0.0499		9.11	D

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-4 (0'-2')		SB-4 (17'-19')		SB-5 (0'-2')		SB-5 (10'-12')		SB-6 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
1,1,1,2-Tetrachloroethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,1,1-Trichloroethane	0.68	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,1,2,2-Tetrachloroethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,1,2-Trichloroethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,1-Dichloroethane	0.27	19	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,1-Dichloroethylene	0.33	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2,3-Trichlorobenzene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2,3-Trichloropropane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2,4-Trichlorobenzene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2,4-Trimethylbenzene	3.6	47	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2-Dibromo-3-chloropropane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2-Dibromoethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2-Dichlorobenzene	1.1	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2-Dichloroethane	0.02	2.3	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2-Dichloropropane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,3,5-Trimethylbenzene	8.4	47	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,3-Dichlorobenzene	2.4	17	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,4-Dichlorobenzene	1.8	9.8	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,4-Dioxane	0.1	9.8	0.06	U	0.054	U	0.052	U	0.064	U	0.055	U
2-Butanone	0.12	100	0.003	U	0.0027	U	0.0026	U	0.011		0.0031	J
2-Hexanone	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
4-Methyl-2-pentanone	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Acetone	0.05	100	0.03		0.074		0.040		0.17		0.11	
Acrolein	~	~	0.006	U	0.0054	U	0.0052	U	0.0064	U	0.0055	U
Acrylonitrile	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Benzene	0.06	2.9	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0031	J
Bromochloromethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Bromodichloromethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Bromoform	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Bromomethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Carbon disulfide	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Carbon tetrachloride	0.76	1.4	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Chlorobenzene	1.1	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Chloroethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Chloroform	0.37	10	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Chloromethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
cis-1,2-Dichloroethylene	0.25	59	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
cis-1,3-Dichloropropylene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Cyclohexane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Dibromochloromethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Dibromomethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Dichlorodifluoromethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Ethyl Benzene	1	30	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Hexachlorobutadiene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-4 (0'-2')		SB-4 (17'-19')		SB-5 (0'-2')		SB-5 (10'-12')		SB-6 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Isopropylbenzene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Methyl acetate	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Methyl tert-butyl ether (MTBE)	0.93	62	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Methylcyclohexane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Methylene chloride	0.05	51	0.006	U	0.0054	U	0.0052	U	0.012	J	0.0055	U
n-Butylbenzene	12	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
n-Propylbenzene	3.9	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
o-Xylene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
p- & m- Xylenes	~	~	0.006	U	0.0054	U	0.0052	U	0.0064	U	0.0055	U
p-Isopropyltoluene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
sec-Butylbenzene	11	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Styrene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
tert-Butyl alcohol (TBA)	~	~	0.011		0.014		0.0026	U	0.14		0.017	
tert-Butylbenzene	5.9	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Tetrachloroethylene	1.3	5.5	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Toluene	0.7	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
trans-1,2-Dichloroethylene	0.19	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
trans-1,3-Dichloropropylene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
trans-1,4-dichloro-2-butene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Trichloroethylene	0.47	10	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Trichlorofluoromethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Vinyl Chloride	0.02	0.21	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Xylenes, Total	0.26	100	0.009	U	0.008	U	0.0078	U	0.0097	U	0.0083	U
Semi-Volatiles, 8270 - Comprehensive	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			2		2		2		2		2	
1,1-Biphenyl	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
1,2,4,5-Tetrachlorobenzene	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
1,2,4-Trichlorobenzene	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
1,2-Dichlorobenzene	1.1	100	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
1,2-Diphenylhydrazine (as Azobenzene)	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
1,3-Dichlorobenzene	2.4	17	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
1,4-Dichlorobenzene	1.8	9.8	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2,3,4,6-Tetrachlorophenol	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
2,4,5-Trichlorophenol	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2,4,6-Trichlorophenol	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2,4-Dichlorophenol	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2,4-Dimethylphenol	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2,4-Dinitrophenol	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
2,4-Dinitrotoluene	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2,6-Dinitrotoluene	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2-Chloronaphthalene	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2-Chlorophenol	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2-Methylnaphthalene	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2-Methylphenol	0.33	100	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2-Nitroaniline	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
2-Nitrophenol	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
3- & 4-Methylphenols	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-4 (0'-2')		SB-4 (17'-19')		SB-5 (0'-2')		SB-5 (10'-12')		SB-6 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
3,3-Dichlorobenzidine	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
3-Nitroaniline	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
4,6-Dinitro-2-methylphenol	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
4-Bromophenyl phenyl ether	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
4-Chloro-3-methylphenol	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
4-Chloroaniline	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
4-Chlorophenyl phenyl ether	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
4-Nitroaniline	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
4-Nitrophenol	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
Acenaphthene	20	100	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.179	D
Acenaphthylene	100	100	0.0725	JD	0.0448	U	0.0436	U	0.0538	U	0.0706	JD
Acetophenone	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Aniline	~	~	0.200	U	0.179	U	0.174	U	0.215	U	0.184	U
Anthracene	100	100	0.169	D	0.0448	U	0.0494	JD	0.0538	U	0.451	D
Atrazine	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Benzaldehyde	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Benzidine	~	~	0.200	U	0.179	U	0.174	U	0.215	U	0.184	U
Benzo(a)anthracene	1	1	0.504	D	0.0448	U	0.135	D	0.0538	U	1.05	D
Benzo(a)pyrene	1	1	0.560	D	0.0448	U	0.129	D	0.0538	U	1.1	D
Benzo(b)fluoranthene	1	1	0.469	D	0.0448	U	0.113	D	0.0538	U	0.886	D
Benzo(g,h,i)perylene	100	100	0.318	D	0.0448	U	0.0724	JD	0.0538	U	0.562	D
Benzo(k)fluoranthene	0.8	1	0.484	D	0.0448	U	0.117	D	0.0538	U	0.903	D
Benzoic acid	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Benzyl alcohol	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Benzyl butyl phthalate	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Bis(2-chloroethoxy)methane	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Bis(2-chloroethyl)ether	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Bis(2-chloroisopropyl)ether	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Bis(2-ethylhexyl)phthalate	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Caprolactam	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
Carbazole	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.128	D
Chrysene	1	1	0.523	D	0.0448	U	0.143	D	0.0538	U	1.09	D
Dibenzo(a,h)anthracene	0.33	0.33	0.104	D	0.0448	U	0.0436	U	0.0538	U	0.200	D
Dibenzofuran	7	14	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0757	JD
Diethyl phthalate	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Dimethyl phthalate	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Di-n-butyl phthalate	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Di-n-octyl phthalate	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Fluoranthene	100	100	0.980	D	0.0448	U	0.336	D	0.0867	JD	2.62	D
Fluorene	30	100	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.148	D
Hexachlorobenzene	0.33	0.33	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Hexachlorobutadiene	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Hexachlorocyclopentadiene	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Hexachloroethane	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.269	D	0.0448	U	0.0654	JD	0.0538	U	0.515	D
Isophorone	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Naphthalene	12	100	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-4 (0'-2')		SB-4 (17'-19')		SB-5 (0'-2')		SB-5 (10'-12')		SB-6 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Nitrobenzene	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
N-Nitrosodimethylamine	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
N-nitroso-di-n-propylamine	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
N-Nitrosodiphenylamine	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Pentachlorophenol	0.8	2.4	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Phenanthrene	100	100	0.561	D	0.0448	U	0.275	D	0.0635	JD	1.980	D
Phenol	0.33	100	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Pyrene	100	100	0.889	D	0.0448	U	0.276	D	0.0773	JD	2.200	D
Pesticides, 8081 target list	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			5		5		5		5		5	
4,4'-DDD	0.0033	2.6	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
4,4'-DDE	0.0033	1.8	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
4,4'-DDT	0.0033	1.7	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00469	D
Aldrin	0.005	0.019	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
alpha-BHC	0.02	0.097	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
alpha-Chlordane	0.094	0.91	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
beta-BHC	0.036	0.072	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
Chlordane, total	~	~	0.0396	U	0.0352	U	0.0343	U	0.0425	U	0.0362	U
delta-BHC	0.04	100	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
Dieldrin	0.005	0.039	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00242	D
Endosulfan I	2.4	4.8	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
Endosulfan II	2.4	4.8	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
Endosulfan sulfate	2.4	4.8	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
Endrin	0.014	2.2	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00372	D
Endrin aldehyde	~	~	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00203	D
Endrin ketone	~	~	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
gamma-BHC (Lindane)	0.1	0.28	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
gamma-Chlordane	~	~	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
Heptachlor	0.042	0.42	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
Heptachlor epoxide	~	~	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
Methoxychlor	~	~	0.00989	U	0.00880	U	0.00857	U	0.0106	U	0.00904	U
Toxaphene	~	~	0.100	U	0.0891	U	0.0868	U	0.107	U	0.0915	U
Metals, Target Analyte	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
Aluminum	~	~	10,400		7,140		7,860		8,570	B	8,850	B
Antimony	~	~	1.300	B	0.536	U	0.522	U	1.940		1.640	
Arsenic	13	16	5.460		1.550		1.770		3.800		4.790	
Barium	350	350	938		29.900		57.300		62.100		215	
Beryllium	7.2	14	0.120	U	0.212		0.184		0.129	U	0.110	U
Cadmium	2.5	2.5	0.384		0.322	U	0.313	U	0.386	U	0.753	
Calcium	~	~	14,600		851		1,920		10,000		10,200	
Chromium	~	~	23.900		10.7		13.3		20.4		17	
Cobalt	~	~	10.300		6.060		4.830		6.370		7.6	
Copper	50	270	41.400		11.500		11.700		13.100		46.8	
Iron	~	~	18,400		13,700		11,100		13,800		14,600	
Lead	63	400	397		5.460		59.100		18.200		328	
Magnesium	~	~	4,690		2,820		2,870		3,020		3,340	

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-4 (0'-2')		SB-4 (17'-19')		SB-5 (0'-2')		SB-5 (10'-12')		SB-6 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Manganese	1600	2000	293		257		289		377		240	
Nickel	30	140	19.500		12.8		11		15.600		16.700	
Potassium	~	~	2,480	B	1,040	B	1,110	B	1,700		1,460	
Selenium	3.9	36	1.200	U	1.070	U	1.040	U	1.290	U	1.1	U
Silver	2	36	0.600	U	0.536	U	0.522	U	0.644	U	0.551	U
Sodium	~	~	387	B	96.8	B	170	B	348	B	311	B
Thallium	~	~	1.200	U	1.07	U	1.040	U	1.290	U	1.100	U
Vanadium	~	~	29.200		13.9		15.4		18.6		19.9	
Zinc	109	2200	210		38.2		87.3		47.4		262	
Mercury by 7473	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
Mercury	0.18	0.81	0.909		0.0322	U	0.0873		0.0386	U	0.286	
Total Solids			%		%		%		%		%	
Dilution Factor			1		1		1		1		1	
% Solids	~	~	83.4		93.2		95.8		77.6		90.7	
Polychlorinated Biphenyls (PCB)	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			10		1		1		1		1	
Aroclor 1016	~	~	0.2	U	0.0178	U	0.0173	U	0.0214	U	0.0183	U
Aroclor 1221	~	~	0.2	U	0.0178	U	0.0173	U	0.0214	U	0.0183	U
Aroclor 1232	~	~	0.2	U	0.0178	U	0.0173	U	0.0214	U	0.0183	U
Aroclor 1242	~	~	0.2	U	0.0178	U	0.0173	U	0.0214	U	0.0183	U
Aroclor 1248	~	~	0.2	U	0.0178	U	0.0173	U	0.0214	U	0.0183	U
Aroclor 1254	~	~	1.84	D	0.0178	U	0.0173	U	0.0214	U	0.0183	U
Aroclor 1260	~	~	3.13	D	0.0178	U	0.0173	U	0.0214	U	0.0302	
Total PCBs	0.1	1	4.97	D	0.0178	U	0.0173	U	0.0214	U	0.0302	

Table 1. Soil Analytical Results
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Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-6 (10'-12')		SB-7 (0'-2')		SB-7 (10'-12')		SB-8 (0'-2')		SB-8 (17'-19')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
1,1,1,2-Tetrachloroethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,1,1-Trichloroethane	0.68	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,1,2,2-Tetrachloroethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,1,2-Trichloroethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,1-Dichloroethane	0.27	19	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,1-Dichloroethylene	0.33	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2,3-Trichlorobenzene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2,3-Trichloropropane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2,4-Trichlorobenzene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2,4-Trimethylbenzene	3.6	47	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2-Dibromo-3-chloropropane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2-Dibromoethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2-Dichlorobenzene	1.1	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2-Dichloroethane	0.02	2.3	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2-Dichloropropane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,3,5-Trimethylbenzene	8.4	47	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,3-Dichlorobenzene	2.4	17	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,4-Dichlorobenzene	1.8	9.8	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,4-Dioxane	0.1	9.8	0.063	U	0.054	U	0.055	U	0.055	U	0.053	U
2-Butanone	0.12	100	0.021		0.0027	U	0.009		0.0027	U	0.0039	J
2-Hexanone	~	~	0.0031	U	0.0027	U	0.003	U	0.0027	U	0.0027	U
4-Methyl-2-pentanone	~	~	0.0031	U	0.0027	U	0.003	U	0.0027	U	0.0027	U
Acetone	0.05	100	0.14		0.036		0.099		0.019		0.027	
Acrolein	~	~	0.0063	U	0.0054	U	0.0055	U	0.0055	U	0.0053	U
Acrylonitrile	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Benzene	0.06	2.9	0.0031	U	0.0027	U	0.0029	J	0.0027	U	0.0027	U
Bromochloromethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Bromodichloromethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Bromoform	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Bromomethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Carbon disulfide	~	~	0.0031	U	0.0027	U	0.0039	J	0.0027	U	0.0027	U
Carbon tetrachloride	0.76	1.4	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Chlorobenzene	1.1	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Chloroethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Chloroform	0.37	10	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Chloromethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
cis-1,2-Dichloroethylene	0.25	59	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
cis-1,3-Dichloropropylene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Cyclohexane	~	~	0.0031	U	0.0027	U	0.023		0.0027	U	0.0027	U
Dibromochloromethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Dibromomethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Dichlorodifluoromethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Ethyl Benzene	1	30	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Hexachlorobutadiene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U

Table 1. Soil Analytical Results
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Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-6 (10'-12')		SB-7 (0'-2')		SB-7 (10'-12')		SB-8 (0'-2')		SB-8 (17'-19')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Isopropylbenzene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Methyl acetate	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Methyl tert-butyl ether (MTBE)	0.93	62	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Methylcyclohexane	~	~	0.0031	U	0.0027	U	0.058		0.0027	U	0.0027	U
Methylene chloride	0.05	51	0.0063	U	0.0054	U	0.0055	U	0.0079	J	0.0053	U
n-Butylbenzene	12	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
n-Propylbenzene	3.9	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
o-Xylene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
p- & m- Xylenes	~	~	0.0063	U	0.0054	U	0.0055	U	0.0055	U	0.0053	U
p-Isopropyltoluene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
sec-Butylbenzene	11	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Styrene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
tert-Butyl alcohol (TBA)	~	~	0.01		0.0065		0.01		0.0027	U	0.0027	U
tert-Butylbenzene	5.9	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Tetrachloroethylene	1.3	5.5	0.0031	U	0.0027	U	0.0027	U	0.014		0.012	
Toluene	0.7	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
trans-1,2-Dichloroethylene	0.19	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
trans-1,3-Dichloropropylene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
trans-1,4-dichloro-2-butene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Trichloroethylene	0.47	10	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Trichlorofluoromethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Vinyl Chloride	0.02	0.21	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Xylenes, Total	0.26	100	0.0094	U	0.0082	U	0.0082	U	0.0082	U	0.0080	U
Semi-Volatiles, 8270 - Comprehensive	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			2		20		2		2		2	
1,1-Biphenyl	~	~	0.0526	U	0.0588	JD	0.0457	U	0.0457	U	0.0444	U
1,2,4,5-Tetrachlorobenzene	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
1,2,4-Trichlorobenzene	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
1,2-Dichlorobenzene	1.1	100	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
1,2-Diphenylhydrazine (as Azobenzene)	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
1,3-Dichlorobenzene	2.4	17	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
1,4-Dichlorobenzene	1.8	9.8	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2,3,4,6-Tetrachlorophenol	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
2,4,5-Trichlorophenol	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2,4,6-Trichlorophenol	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2,4-Dichlorophenol	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2,4-Dimethylphenol	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2,4-Dinitrophenol	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
2,4-Dinitrotoluene	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2,6-Dinitrotoluene	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2-Chloronaphthalene	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2-Chlorophenol	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2-Methylnaphthalene	~	~	0.0526	U	0.139	D	0.0457	U	0.0457	U	0.0444	U
2-Methylphenol	0.33	100	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2-Nitroaniline	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
2-Nitrophenol	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
3- & 4-Methylphenols	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-6 (10'-12')		SB-7 (0'-2')		SB-7 (10'-12')		SB-8 (0'-2')		SB-8 (17'-19')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
3,3-Dichlorobenzidine	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
3-Nitroaniline	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
4,6-Dinitro-2-methylphenol	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
4-Bromophenyl phenyl ether	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
4-Chloro-3-methylphenol	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
4-Chloroaniline	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
4-Chlorophenyl phenyl ether	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
4-Nitroaniline	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
4-Nitrophenol	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
Acenaphthene	20	100	0.0526	U	1.340	D	0.0998	D	0.0457	U	0.0481	JD
Acenaphthylene	100	100	0.0526	U	0.100	D	0.0685	JD	0.144	D	0.0444	U
Acetophenone	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Aniline	~	~	0.210	U	0.182	U	0.182	U	0.183	U	0.177	U
Anthracene	100	100	0.0526	U	3.220	D	0.299	D	0.174	D	0.166	D
Atrazine	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Benzaldehyde	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Benzidine	~	~	0.210	U	0.182	U	0.182	U	0.183	U	0.177	U
Benzo(a)anthracene	1	1	0.143	D	5.77	D	1.1	D	1	D	0.395	D
Benzo(a)pyrene	1	1	0.165	D	5.64	D	1.32	D	1.11	D	0.377	D
Benzo(b)fluoranthene	1	1	0.139	D	4.48	D	0.924	D	0.876	D	0.291	D
Benzo(g,h,i)perylene	100	100	0.104	JD	2.890	D	0.653	D	0.543	D	0.189	D
Benzo(k)fluoranthene	0.8	1	0.153	D	4.59	D	0.928	D	0.918	D	0.31	D
Benzoic acid	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Benzyl alcohol	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Benzyl butyl phthalate	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Bis(2-chloroethoxy)methane	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Bis(2-chloroethyl)ether	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Bis(2-chloroisopropyl)ether	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Bis(2-ethylhexyl)phthalate	~	~	0.225	D	0.0455	U	0.263	D	0.0457	U	0.273	D
Caprolactam	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
Carbazole	~	~	0.0526	U	1.190	D	0.0457	U	0.0457	U	0.0444	U
Chrysene	1	1	0.16	D	6.09	D	1.21	D	0.982	D	0.413	D
Dibenzo(a,h)anthracene	0.33	0.33	0.0526	U	1.09	D	0.216	D	0.215	D	0.0637	JD
Dibenzofuran	7	14	0.0526	U	0.576	D	0.0457	U	0.0457	U	0.0444	U
Diethyl phthalate	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Dimethyl phthalate	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Di-n-butyl phthalate	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Di-n-octyl phthalate	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Fluoranthene	100	100	0.328	D	14.600	D	1.91	D	1.65	D	0.726	D
Fluorene	30	100	0.0526	U	1.200	D	0.0845	JD	0.0457	U	0.0502	JD
Hexachlorobenzene	0.33	0.33	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Hexachlorobutadiene	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Hexachlorocyclopentadiene	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Hexachloroethane	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0880	JD	2.84	D	0.538	D	0.532	D	0.16	D
Isophorone	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Naphthalene	12	100	0.0526	U	0.370	D	0.0457	U	0.0457	U	0.0444	U

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-6 (10'-12')		SB-7 (0'-2')		SB-7 (10'-12')		SB-8 (0'-2')		SB-8 (17'-19')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Nitrobenzene	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
N-Nitrosodimethylamine	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
N-nitroso-di-n-propylamine	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
N-Nitrosodiphenylamine	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Pentachlorophenol	0.8	2.4	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Phenanthrene	100	100	0.238	D	12.500	D	1.15	D	0.351	D	0.675	D
Phenol	0.33	100	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Pyrene	100	100	0.286	D	12.400	D	2.26	D	1.56	D	0.786	D
Pesticides, 8081 target list	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			5		5		5		5		5	
4,4'-DDD	0.0033	2.6	0.00207	U	0.00179	U	0.00179	U	0.0591	D	0.00175	U
4,4'-DDE	0.0033	1.8	0.00207	U	0.00241	D	0.00179	U	0.0562	D	0.00175	U
4,4'-DDT	0.0033	1.7	0.00207	U	0.0114	D	0.00179	U	0.179	D	0.00248	D
Aldrin	0.005	0.019	0.00207	U	0.00179	U	0.00179	U	0.00376	D	0.00175	U
alpha-BHC	0.02	0.097	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
alpha-Chlordane	0.094	0.91	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
beta-BHC	0.036	0.072	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Chlordane, total	~	~	0.0415	U	0.0358	U	0.0358	U	0.036	U	0.0349	U
delta-BHC	0.04	100	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Dieldrin	0.005	0.039	0.00207	U	0.00381	D	0.00179	U	0.0018	U	0.00175	U
Endosulfan I	2.4	4.8	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Endosulfan II	2.4	4.8	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Endosulfan sulfate	2.4	4.8	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Endrin	0.014	2.2	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00328	D
Endrin aldehyde	~	~	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Endrin ketone	~	~	0.00207	U	0.00763	D	0.00179	U	0.0018	U	0.00175	U
gamma-BHC (Lindane)	0.1	0.28	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
gamma-Chlordane	~	~	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Heptachlor	0.042	0.42	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Heptachlor epoxide	~	~	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Methoxychlor	~	~	0.0104	U	0.00895	U	0.00896	U	0.00901	U	0.00873	U
Toxaphene	~	~	0.105	U	0.0906	U	0.0907	U	0.0911	U	0.0884	U
Metals, Target Analyte	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
Aluminum	~	~	23,400	B	8,210	B	7,370	B	11,700	B	12,200	B
Antimony	~	~	4.710		1.770		4.44		1.84		2.940	
Arsenic	13	16	7.070		6.330		6.39		6.07		13	
Barium	350	350	879		179		104		166		194	
Beryllium	7.2	14	0.126	U	0.109	U	0.109	U	0.11	U	0.106	U
Cadmium	2.5	2.5	1.080		0.574		0.642		0.71		5.02	
Calcium	~	~	16,700		23,200		50,400		24,000		35,800	
Chromium	~	~	58.1		19		21.1		21.3		27.8	
Cobalt	~	~	26.4		8.52		7.21		15.6		13.6	
Copper	50	270	43.9		103		98.6		39.4		81.2	
Iron	~	~	45,400		19,600		22,800		18,400		29,000	
Lead	63	400	92.2		358		338		225		273	
Magnesium	~	~	14,100		5,600		5,110		7,260		7,230	

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-6 (10'-12')		SB-7 (0'-2')		SB-7 (10'-12')		SB-8 (0'-2')		SB-8 (17'-19')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Manganese	1600	2000	650		299		351		834		393	
Nickel	30	140	47.2		20.9		17.9		25.500		27.6	
Potassium	~	~	15,000		2,010		1,620		2,740		4,510	
Selenium	3.9	36	1.26	U	1.09	U	1.09	U	1.1	U	1.060	U
Silver	2	36	0.629	U	0.545	U	0.546	U	0.548	U	0.531	U
Sodium	~	~	424	B	572	B	462	B	268	B	435	B
Thallium	~	~	1.260	U	1.09	U	1.09	U	1.1	U	1.06	U
Vanadium	~	~	73.3		26.4		21.1		26.7		31.2	
Zinc	109	2200	232		253		210		554		2,110	
Mercury by 7473	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
Mercury	0.18	0.81	0.0860		0.694		0.583		1.71		0.78	
Total Solids			%		%		%		%		%	
Dilution Factor			1		1		1		1		1	
% Solids	~	~	79.5		91.8		91.5		91.2		94.2	
Polychlorinated Biphenyls (PCB)	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
Aroclor 1016	~	~	0.0209	U	0.0181	U	0.0181	U	0.0182	U	0.0176	U
Aroclor 1221	~	~	0.0209	U	0.0181	U	0.0181	U	0.0182	U	0.0176	U
Aroclor 1232	~	~	0.0209	U	0.0181	U	0.0181	U	0.0182	U	0.0176	U
Aroclor 1242	~	~	0.0209	U	0.0181	U	0.0181	U	0.0182	U	0.0176	U
Aroclor 1248	~	~	0.0209	U	0.0181	U	0.0181	U	0.0182	U	0.0176	U
Aroclor 1254	~	~	0.0209	U	0.0181	U	0.0181	U	0.571		0.0176	U
Aroclor 1260	~	~	0.0209	U	0.109		0.0181	U	0.387		0.0176	U
Total PCBs	0.1	1	0.0209	U	0.109		0.0181	U	0.958		0.0176	U

NOTES:

mg/Kg = milligrams per kilogram

Any Regulatory Exceedences are bold and shaded.

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

~=this indicates that no regulatory limit has been established for this analyte

Table 2. Groundwater Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values -	SB-2 (GW) 8/10/2018 Water		SB-5 (GW) 8/10/2018 Water		Trip Blank 8/10/2018 Water	
Compound	GA	Result	Q			Result	Q
Volatile Organics, 8260 - Comprehensive	µg/L	µg/L		ug/L		µg/L	
Dilution Factor		10		1		1	
1,1,1,2-Tetrachloroethane	5	1	U	0.2	U	0.2	U
1,1,1-Trichloroethane	5	1	U	0.2	U	0.2	U
1,1,2,2-Tetrachloroethane	5	1	U	0.2	U	0.2	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	1	U	0.2	U	0.2	U
1,1,2-Trichloroethane	1	1	U	0.2	U	0.2	U
1,1-Dichloroethane	5	1	U	0.2	U	0.2	U
1,1-Dichloroethylene	5	1	U	0.2	U	0.2	U
1,2,3-Trichlorobenzene	5	1	U	0.2	U	0.2	U
1,2,3-Trichloropropane	0.04	1	U	0.2	U	0.2	U
1,2,4-Trichlorobenzene	5	1	U	0.2	U	0.2	U
1,2,4-Trimethylbenzene	5	1,200	D	3		0.2	U
1,2-Dibromo-3-chloropropane	0.04	1	U	0.2	U	0.2	U
1,2-Dibromoethane	0.0006	1	U	0.2	U	0.2	U
1,2-Dichlorobenzene	3	1	U	0.2	U	0.2	U
1,2-Dichloroethane	0.6	1	U	0.2	U	0.2	U
1,2-Dichloropropane	1	1	U	0.2	U	0.2	U
1,3,5-Trimethylbenzene	5	340	D	1.2		0.2	U
1,3-Dichlorobenzene	3	1	U	0.2	U	0.2	U
1,4-Dichlorobenzene	3	1	U	0.2	U	0.2	U
1,4-Dioxane	~	200	U	40	U	40	U
2-Butanone	50	1	U	0.2	U	0.2	U
2-Hexanone	50	1	U	0.2	U	0.2	U
4-Methyl-2-pentanone	~	1	U	0.2	U	0.2	U
Acetone	50	5	U	1	U	1	U
Acrolein	~	1	U	0.2	U	0.2	U
Acrylonitrile	~	1	U	0.2	U	0.2	U
Benzene	1	1	U	0.2	U	0.2	U
Bromochloromethane	5	1	U	0.2	U	0.2	U
Bromodichloromethane	50	1	U	0.95		0.2	U
Bromoform	50	1	U	0.2	U	0.2	U
Bromomethane	5	1	U	0.2	U	0.2	U
Carbon disulfide	~	1	U	0.2	U	0.2	U
Carbon tetrachloride	5	1	U	0.2	U	0.2	U
Chlorobenzene	5	1	U	0.2	U	0.2	U
Chloroethane	5	1	U	0.2	U	0.2	U
Chloroform	7	10	D	16		0.2	U
Chloromethane	5	1	U	0.2	U	0.2	U
cis-1,2-Dichloroethylene	5	1	U	0.2	U	0.2	U
cis-1,3-Dichloropropylene	0.4	1	U	0.2	U	0.2	U
Cyclohexane	~	95	D	0.2	U	0.2	U
Dibromochloromethane	50	1	U	0.2	U	0.2	U
Dibromomethane	~	1	U	0.2	U	0.2	U
Dichlorodifluoromethane	5	1	U	0.2	U	0.2	U
Ethyl Benzene	5	1	U	0.2	U	0.2	U
Hexachlorobutadiene	0.5	1	U	0.2	U	0.2	U
Isopropylbenzene	5	47	D	0.2	U	0.2	U
Methyl acetate	~	1	U	0.2	U	0.2	U
Methyl tert-butyl ether (MTBE)	10	1	U	0.2	U	0.2	U
Methylcyclohexane	~	180	D	0.47	J	0.2	U
Methylene chloride	5	5	U	1	U	1	U
n-Butylbenzene	5	43	D	0.2	U	0.2	U
n-Propylbenzene	5	110	D	0.4	J	0.2	U
o-Xylene	5	1	U	0.2	U	0.2	U
p- & m- Xylenes	5	3.2	JD	0.5	U	0.5	U
p-Isopropyltoluene	5	7.2	D	0.2	U	0.2	U
sec-Butylbenzene	5	12	D	0.2	U	0.2	U
Styrene	5	1	U	0.2	U	0.2	U
tert-Butyl alcohol (TBA)	~	2.5	U	0.5	U	0.5	U
tert-Butylbenzene	5	1	U	0.2	U	0.2	U
Tetrachloroethylene	5	1	U	0.2	U	0.2	U
Toluene	5	1.6	JD	0.2	U	0.2	U
trans-1,2-Dichloroethylene	5	1	U	0.2	U	0.2	U
trans-1,3-Dichloropropylene	0.4	1	U	0.2	U	0.2	U
trans-1,4-dichloro-2-butene	~	1	U	0.2	U	0.2	U
Trichloroethylene	5	1	U	0.2	U	0.2	U
Trichlorofluoromethane	5	1	U	0.2	U	0.2	U
Vinyl Chloride	2	1	U	0.2	U	0.2	U
Xylenes, Total	5	3.2	JD	0.6	U	0.6	U

Table 2. Groundwater Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values -	SB-2 (GW) 8/10/2018 Water		SB-5 (GW) 8/10/2018 Water		Trip Blank 8/10/2018 Water	
Compound	GA	Result	Q			Result	Q
Semi-Volatiles, 8270 - Comprehensive	µg/L	µg/L		µg/L			
Dilution Factor		5		1			
1,1-Biphenyl	~	3.12	U	3.03	U	NA	
1,2,4,5-Tetrachlorobenzene	~	3.12	U	3.03	U	NA	
1,2,4-Trichlorobenzene	5	3.12	U	3.03	U	NA	
1,2-Dichlorobenzene	3	3.12	U	3.03	U	NA	
1,2-Diphenylhydrazine (as Azobenzene)	~	3.12	U	3.03	U	NA	
1,3-Dichlorobenzene	3	3.12	U	3.03	U	NA	
1,4-Dichlorobenzene	3	3.12	U	3.03	U	NA	
2,3,4,6-Tetrachlorophenol	~	3.12	U	3.03	U	NA	
2,4,5-Trichlorophenol	1	3.12	U	3.03	U	NA	
2,4,6-Trichlorophenol	1	3.12	U	3.03	U	NA	
2,4-Dichlorophenol	5	3.12	U	3.03	U	NA	
2,4-Dimethylphenol	50	3.12	U	3.03	U	NA	
2,4-Dinitrophenol	10	3.12	U	3.03	U	NA	
2,4-Dinitrotoluene	5	3.12	U	3.03	U	NA	
2,6-Dinitrotoluene	5	3.12	U	3.03	U	NA	
2-Chloronaphthalene	10	3.12	U	3.03	U	NA	
2-Chlorophenol	1	3.12	U	3.03	U	NA	
2-Methylnaphthalene	~	96.6	D	3.03	U	NA	
2-Methylphenol	1	3.12	U	3.03	U	NA	
2-Nitroaniline	5	3.12	U	3.03	U	NA	
2-Nitrophenol	1	3.12	U	3.03	U	NA	
3- & 4-Methylphenols	~	3.12	U	3.03	U	NA	
3,3-Dichlorobenzidine	5	3.12	U	3.03	U	NA	
3-Nitroaniline	5	3.12	U	3.03	U	NA	
4,6-Dinitro-2-methylphenol	~	3.12	U	3.03	U	NA	
4-Bromophenyl phenyl ether	~	3.12	U	3.03	U	NA	
4-Chloro-3-methylphenol	1	3.12	U	3.03	U	NA	
4-Chloroaniline	5	3.12	U	3.03	U	NA	
4-Chlorophenyl phenyl ether	~	3.12	U	3.03	U	NA	
4-Nitroaniline	5	3.12	U	3.03	U	NA	
4-Nitrophenol	1	3.12	U	3.03	U	NA	
Acenaphthene	20	0.1		0.0606	U	NA	
Acenaphthylene	~	0.0625	U	0.0606	U	NA	
Acetophenone	~	3.12	U	3.03	U	NA	
Aniline	5	3.12	U	3.03	U	NA	
Anthracene	50	0.0625	U	0.0606	U	NA	
Atrazine	~	0.625	U	0.606	U	NA	
Benzaldehyde	~	3.12	U	3.03	U	NA	
Benzidine	~	12.5	U	12.1	U	NA	
Benzo(a)anthracene	0.002	0.0625	U	0.0606	U	NA	
Benzo(a)pyrene	0.002	0.0625	U	0.0606	U	NA	
Benzo(b)fluoranthene	0.002	0.0625	U	0.0606	U	NA	
Benzo(g,h,i)perylene	~	0.0625	U	0.0606	U	NA	
Benzo(k)fluoranthene	0.002	0.0625	U	0.0606	U	NA	
Benzoic acid	~	31.2	U	30.3	U	NA	
Benzyl alcohol	~	3.12	U	3.03	U	NA	
Benzyl butyl phthalate	50	3.12	U	3.03	U	NA	
Bis(2-chloroethoxy)methane	5	3.12	U	3.03	U	NA	
Bis(2-chloroethyl)ether	1	3.12	U	3.03	U	NA	
Bis(2-chloroisopropyl)ether	5	3.12	U	3.03	U	NA	
Bis(2-ethylhexyl)phthalate	5	0.75		0.885		NA	
Caprolactam	~	3.12	U	3.03	U	NA	
Carbazole	~	3.12	U	3.03	U	NA	
Chrysene	0.002	0.0625	U	0.0606	U	NA	
Dibenzo(a,h)anthracene	~	0.0625	U	0.0606	U	NA	
Dibenzofuran	~	3.12	U	3.03	U	NA	
Diethyl phthalate	50	3.12	U	3.03	U	NA	
Dimethyl phthalate	50	3.12	U	3.03	U	NA	
Di-n-butyl phthalate	50	3.12	U	3.03	U	NA	
Di-n-octyl phthalate	50	3.12	U	3.03	U	NA	
Fluoranthene	50	0.0625	U	0.0606	U	NA	
Fluorene	50	0.1		0.0606	U	NA	
Hexachlorobenzene	0.04	0.025	U	0.0242	U	NA	
Hexachlorobutadiene	0.5	0.625	U	0.606	U	NA	
Hexachlorocyclopentadiene	5	3.12	U	3.03	U	NA	
Hexachloroethane	5	0.625	U	0.606	U	NA	
Indeno(1,2,3-cd)pyrene	0.002	0.0625	U	0.0606	U	NA	
Isophorone	50	3.12	U	3.03	U	NA	

Table 2. Groundwater Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values -	SB-2 (GW) 8/10/2018 Water		SB-5 (GW) 8/10/2018 Water		Trip Blank 8/10/2018 Water	
Compound	GA	Result	Q			Result	Q
Naphthalene	10	19.6		0.145		NA	
Nitrobenzene	0.4	0.312	U	0.303	U	NA	
N-Nitrosodimethylamine	~	0.625	U	0.606	U	NA	
N-nitroso-di-n-propylamine	~	3.12	U	3.03	U	NA	
N-Nitrosodiphenylamine	50	3.12	U	3.03	U	NA	
Pentachlorophenol	1	0.312	U	0.303	U	NA	
Phenanthrene	50	0.15		0.0848		NA	
Phenol	1	3.12	U	3.03	U	NA	
Pyrene	50	0.0625	U	0.0606	U	NA	
Pesticides, 8081 target list	µg/L	µg/L		µg/L			
Dilution Factor		1		1			
4,4'-DDD	0.3	0.00457	U	0.00485	U	NA	
4,4'-DDE	0.2	0.00457	U	0.00485	U	NA	
4,4'-DDT	0.2	0.00457	U	0.00485	U	NA	
Aldrin	~	0.00457	U	0.00485	U	NA	
alpha-BHC	0.01	0.00457	U	0.00485	U	NA	
alpha-Chlordane	~	0.00457	U	0.00485	U	NA	
beta-BHC	0.04	0.00457	U	0.00485	U	NA	
Chlordane, total	0.05	0.0229	U	0.0242	U	NA	
delta-BHC	0.04	0.00457	U	0.00485	U	NA	
Dieldrin	0.004	0.00229	U	0.00242	U	NA	
Endosulfan I	~	0.00457	U	0.00485	U	NA	
Endosulfan II	~	0.00457	U	0.00485	U	NA	
Endosulfan sulfate	~	0.00457	U	0.00485	U	NA	
Endrin	~	0.00457	U	0.00485	U	NA	
Endrin aldehyde	5	0.0114	U	0.0121	U	NA	
Endrin ketone	5	0.0114	U	0.0121	U	NA	
gamma-BHC (Lindane)	0.05	0.00457	U	0.00485	U	NA	
gamma-Chlordane	~	0.0114	U	0.0121	U	NA	
Heptachlor	0.04	0.00457	U	0.00485	U	NA	
Heptachlor epoxide	0.03	0.00457	U	0.00485	U	NA	
Methoxychlor	35	0.00457	U	0.00485	U	NA	
Toxaphene	0.06	0.114	U	0.121	U	NA	
Metals, TAL, ICPMS	µg/L	µg/L					
Dilution Factor		1					
Aluminum	~	830		NT		NA	
Antimony	3	1	U	1	U	NA	
Arsenic	25	1	U	1	U	NA	
Barium	1000	68		76.4		NA	
Beryllium	3	0.3	U	0.3	U	NA	
Cadmium	5	0.746		0.5	U	NA	
Chromium	50	4.79		3.85		NA	
Cobalt	~	2.94		2.5		NA	
Copper	200	11		5.17		NA	
Iron	~	1730	B	1780	B	NA	
Lead	25	22.3		2.51		NA	
Manganese	300	111		259		NA	
Nickel	100	3.4		4.7		NA	
Selenium	10	1	U	1.1		NA	
Silver	50	1	U	1	U	NA	
Thallium	~	1	U	1	U	NA	
Vanadium	~	3.51		3.71		NA	
Zinc	2000	19.9		48.2		NA	
Metals, TAL, ICPMS Dissolved	µg/L	µg/L					
Dilution Factor		1					
Aluminum	~	396		322		NA	
Antimony	3	1	U	1	U	NA	
Arsenic	25	1	U	1	U	NA	
Barium	1000	68.7		62.9		NA	
Beryllium	3	0.3	U	0.3	U	NA	
Cadmium	5	0.76		0.5	U	NA	
Chromium	50	3.17		1.7		NA	
Cobalt	~	2.51		1.03		NA	
Copper	200	6.75		2.56		NA	
Iron	~	1290		712		NA	
Lead	25	19.6		1.55		NA	
Manganese	300	105		122		NA	
Nickel	100	2.42		2.07		NA	
Selenium	10	1	U	1	U	NA	
Silver	50	1	U	1	U	NA	

Table 2. Groundwater Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values -	SB-2 (GW) 8/10/2018 Water		SB-5 (GW) 8/10/2018 Water		Trip Blank 8/10/2018 Water	
Compound	GA	Result	Q			Result	Q
Thallium	~	1	U	1	U	NA	
Vanadium	~	1.4		1		NA	
Zinc	2000	18.8		481		NA	
Mercury by 7473	µg/L	µg/L					
Dilution Factor		1					
Mercury	0.7	0.2	U	0.2	U	NA	
Mercury by 7473, Dissolved	µg/L	µg/L					
Dilution Factor		1					
Mercury	0.7	0.2	U	0.2	U	NA	
Polychlorinated Biphenyls (PCB)	µg/L	µg/L					
Dilution Factor		1					
Aroclor 1016	~	0.0571	U	0.0606	U	NA	
Aroclor 1221	~	0.0571	U	0.0606	U	NA	
Aroclor 1232	~	0.0571	U	0.0606	U	NA	
Aroclor 1242	~	0.0571	U	0.0606	U	NA	
Aroclor 1248	~	0.0571	U	0.0606	U	NA	
Aroclor 1254	~	0.0571	U	0.0606	U	NA	
Aroclor 1260	~	0.0571	U	0.0836		NA	
Total PCBs	0.09	0.0571	U	0.0836		NA	

NOTES:

µg/L = micrograms per liter

Any Regulatory Exceedences are bold and shaded

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

NA=Not Analyzed

~=this indicates that no regulatory limit has been established for this analyte

Table 3. Soil Vapor Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	SV-1	SV-2	SV-3	SV-4
Sampling Date	8/10/2018	8/10/2018	8/10/2018	8/10/2018
Client Matrix	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor
Compound	Result	Result	Result	Result
Volatile Organics, EPA TO15 Full List	µg/m3	µg/m3	µg/m3	µg/m3
Dilution Factor	34.06	33.22	17.33	1.546
1,1,1,2-Tetrachloroethane	1.1U	1.1U	1.1U	1.1U
1,1,1-Trichloroethane	4.6D	0.84U	0.84U	0.84U
1,1,2,2-Tetrachloroethane	1.1U	1.1U	1.1U	1.1U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.2U	1.2U	1.2U	1.2U
1,1,2-Trichloroethane	0.84U	0.84U	0.84U	0.84U
1,1-Dichloroethane	0.63U	0.63U	0.63U	0.63U
1,1-Dichloroethylene	0.15U	0.15U	0.15U	0.15U
1,2,4-Trichlorobenzene	1.1U	1.1U	1.1U	1.1U
1,2,4-Trimethylbenzene	8.2D	10D	47D	12D
1,2-Dibromoethane	1.2U	1.2U	1.2U	1.2U
1,2-Dichlorobenzene	0.93U	0.93U	0.93U	0.93U
1,2-Dichloroethane	0.63U	0.63U	0.63U	0.63U
1,2-Dichloropropane	0.71U	0.71U	0.71U	0.71U
1,2-Dichlorotetrafluoroethane	1.1U	1.1U	1.1U	1.1U
1,3,5-Trimethylbenzene	0.76U	0.76U	25D	0.76U
1,3-Butadiene	4.5D	1U	7.8D	1U
1,3-Dichlorobenzene	7.7D	0.93U	0.93U	0.93U
1,3-Dichloropropane	0.71U	0.71U	0.71U	0.71U
1,4-Dichlorobenzene	0.93U	0.93U	0.93U	0.93U
1,4-Dioxane	1.1U	1.1U	1.1U	1.1U
2-Butanone	120D	26D	62D	25D
2-Hexanone	1.3U	1.3U	1.3U	1.3U
3-Chloropropene	2.4U	2.4U	2.4U	2.4U
4-Methyl-2-pentanone	8D	0.63U	8.8D	3.5D
Acetone	660D	150D	180D	110D
Acrylonitrile	0.34U	0.34U	0.34U	0.34U
Benzene	7.6D	4.4D	23D	3.1D
Benzyl chloride	0.8U	0.8U	0.8U	0.8U
Bromodichloromethane	1U	1U	1U	1U
Bromoform	1.6U	1.6U	1.6U	1.6U
Bromomethane	0.6U	0.6U	0.6U	0.6U
Carbon disulfide	0.48U	12D	31D	43D
Carbon tetrachloride	0.24U	0.24U	0.24U	0.24U
Chlorobenzene	0.71U	0.71U	0.71U	0.71U
Chloroethane	0.41U	0.41U	0.41U	0.41U
Chloroform	0.75U	0.75U	4.5D	0.75U
Chloromethane	0.32U	1.6D	3.3D	1.9D
cis-1,2-Dichloroethylene	0.15U	0.15U	0.15U	0.15U
cis-1,3-Dichloropropylene	0.7U	0.7U	0.7U	0.7U
Cyclohexane	7.2D	3.7D	46D	11D
Dibromochloromethane	1.3U	1.3U	1.3U	1.3U
Dichlorodifluoromethane	0.76U	0.76U	0.76U	0.76U
Ethyl acetate	1.1U	1.1U	1.1U	1.1U
Ethyl Benzene	7.5D	7.9D	22D	8.2D
Hexachlorobutadiene	1.6U	1.6U	1.6U	1.6U
Isopropanol	140D	67D	60D	47D
Methyl Methacrylate	0.63U	0.63U	0.63U	0.63U
Methyl tert-butyl ether (MTBE)	0.56U	0.56U	8.4D	0.56U
Methylene chloride	1.1U	37D	6.9D	6.2D
n-Heptane	21D	0.63U	120D	0.63U
n-Hexane	11D	8.4D	75D	11D
o-Xylene	11D	11D	28D	12D
p- & m- Xylenes	30D	31D	73D	32D
p-Ethyltoluene	0.76U	0.76U	29D	0.76U
Propylene	28D	15D	130DE	27D
Styrene	0.66U	0.66U	0.66U	0.66U
Tetrachloroethylene	56D	460D	44D	35D
Tetrahydrofuran	16D	5.6D	22D	6.2D
Toluene	26D	18D	47D	22D
trans-1,2-Dichloroethylene	0.61U	0.61U	0.61U	0.61U
trans-1,3-Dichloropropylene	0.7U	0.7U	0.7U	0.7U
Trichloroethylene	0.21U	0.21U	0.21U	0.21U
Trichlorofluoromethane (Freon 11)	0.87U	0.87U	0.87U	0.87U
Vinyl acetate	0.54U	0.54U	0.54U	0.54U
Vinyl bromide	0.68U	0.68U	0.68U	0.68U
Vinyl Chloride	0.099U	0.099U	0.099U	0.099U

NOTES:
µg/m3 = microgram per cubic meter

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
U=analyte not detected at or above the level indicated
E=result is estimated and cannot be accurately reported due to levels encountered or interferences

Appendix A

Soil Boring Logs



GEI Consultants, Inc. P.C.
110 Walt Whitman Road
Suite 204
Huntington Station,
New York 11746

CLIENT: Hunton Andrews Kurth LLP
PROJECT: Gerard Avenue
CITY/STATE: Bronx, New York
GEI PROJECT NUMBER: 1803080

BORING LOG

PAGE
1 of 1

SB-1

NORTHING (FT): _____ EASTING (FT): _____ LOCATION: 580-610 Gerard Avenue
DRILLED BY: Cascade Drilling / Luke Caballero TOTAL DEPTH (FT): 25.0
LOGGED BY: Bill Fitchett DATUM VERT. / HORZ.: _____
DATE START / END: 8/10/2018 - 8/10/2018
DRILLING DETAILS: Direct Push / Geoprobe 7822DT
WATER LEVEL DEPTHS (FT): ▼ 24.00 8/10/2018
GENERAL NOTE: _____

ELEV. FT.	DEPTH FT.	SAMPLE INFO			STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
		TYPE and NO.	PEN/REC FT./FT.	PID (PPM)			
	0	S1	5/3	0.0		SB-1 (0'-2')	(0'- 0.25') dry, asphalt. (0.25'- 5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
	5	S2	5/1.5	0.0			(5'- 9.5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
	10	S3	5/3	0.0			(9.5'- 12') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts, brick fragments encountered. (12'- 15') SILT (ML); ~100% fines, ~0% gravel, ~0% sand; dry, tan, no visual impacts.
	15	S4	5/3	0.0			(15'- 18') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts, brick fragments encountered.
	20	S5	5/4	0.0		SB-1 (21'-23')	(18'- 20') SANDY SILT (ML); ~90% fines, ~10% sand, fine, ~0% gravel; dry, tan, no visual impacts. (20'- 22.5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts, brick fragments encountered. (22.5'- 23.5') POORLY GRADED SAND WITH SILT (SP-SM); ~90% sand, fine, ~10% fines, ~0% gravel; moist, dark brown, no visual impacts. (23.5'- 25') POORLY GRADED SAND WITH SILT (SP-SM); ~90% sand, fine, ~10% fines, ~0% gravel; moist, tan, no visual impacts.
	25						End of Boring at 25 feet, Refusal.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
JHS = JAR HEADSPACE PID READING (PPM)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO = CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

NA = NOT APPLICABLE Q_p = POCKET PENETROMETER
NM = NOT MEASURED S_v = TORVANE PEAK

ENVIRONMENTAL BORING LOG 580-610 GERARD AVE.GPJ GEI TEMPLATE 11-7-13.GDT 8/30/18



GEI Consultants, Inc. P.C.
110 Walt Whitman Road
Suite 204
Huntington Station,
New York 11746

CLIENT: **Hunton Andrews Kurth LLP**
PROJECT: **Gerard Avenue**
CITY/STATE: **Bronx, New York**
GEI PROJECT NUMBER: **1803080**

BORING LOG

PAGE
1 of 1

SB-2

NORTHING (FT): _____ EASTING (FT): _____

LOCATION: **580-610 Gerard Avenue**

DRILLED BY: **Cascade Drilling / Luke Caballero**

TOTAL DEPTH (FT): **25.0**

LOGGED BY: **Bill Fitchett**

DATUM VERT. / HORZ.: _____

DATE START / END: **8/10/2018 - 8/10/2018**

DRILLING DETAILS: **Direct Push / Geoprobe 7822DT**

WATER LEVEL DEPTHS (FT): **▼ 24.00 8/10/2018**

GENERAL NOTE: _____

ELEV. FT.	DEPTH FT.	SAMPLE INFO			STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
		TYPE and NO.	PEN/REC FT./FT.	PID (PPM)			
	0	S1	5/2	0.0		SB-2 (0'-2')	(0'- 0.25') ~70% sand, ~25% fines, ~5% gravel; dry, asphalt. (0.25'- 3') POORLY GRADED SAND WITH GRAVEL (SP); ~95% sand, fine, ~5% gravel, ~0% fines; max. gravel size 0.25, dry, dark brown, no visual impacts.
	5	S2	5/3	14.8			(3'- 5') POORLY GRADED SAND WITH GRAVEL (SP); ~95% sand, fine, ~5% gravel, ~0% fines; max. gravel size 0.25, dry, tan, no visual impacts. (5'- 6.75') WELL GRADED SAND (SP); ~100% sand, fine to medium, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
	10	S3	5/4	2.3			(6.75'- 8.5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts. (8.5'- 10') SANDY SILT (ML); ~70% fines, ~30% sand, fine, ~0% gravel; dry, tan, no visual impacts.
	15	S4	5/3.3	0.0			(10'- 11.5') POORLY GRADED SAND WITH GRAVEL (SP); ~95% sand, fine, ~5% gravel, ~0% fines; dry, dark brown, no visual impacts. (11.5'- 15') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, light brown, no visual impacts.
	20	S5	1/1	0.0		SB-2 (21'-23')	(15'- 16') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, tan, no visual impacts. (16'- 17.5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
		S6	3/2	37.0			(17.5'- 20') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, light brown, no visual impacts.
	25	S7	1/1	5,041			(20'- 21') POORLY GRADED SAND WITH GRAVEL (SP); ~95% sand, fine, ~5% gravel, ~0% fines; max. gravel size 0.25, dry, dark brown, no visual impacts. (21'- 23') POORLY GRADED SAND WITH GRAVEL (SP); ~95% sand, fine, ~5% gravel, ~0% fines; max. gravel size 0.25, dry, dark brown, no visual impacts. (23'- 24') POORLY GRADED SAND WITH GRAVEL (SP); ~95% sand, fine, ~5% gravel, ~0% fines; max. gravel size 0.25, moist, dark brown, no visual impacts. (24'- 25') POORLY GRADED SAND WITH GRAVEL (SP); ~95% sand, fine, ~5% gravel, ~0% fines; max. gravel size 0.25, wet, dark brown, no visual impacts. End of Boring at 25 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
JHS = JAR HEADSPACE PID READING (PPM)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO = CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

NA = NOT APPLICABLE Q_p = POCKET PENETROMETER
NM = NOT MEASURED S_v = TORVANE PEAK

ENVIRONMENTAL BORING LOG 580-610 GERARD AVE.GPJ GEI TEMPLATE 11-7-13.GDT 8/30/18

	GEI Consultants, Inc. P.C. 110 Walt Whitman Road Suite 204 Huntington Station, New York 11746	CLIENT: <u>Hunton Andrews Kurth LLP</u>		BORING LOG	
		PROJECT: <u>Gerard Avenue</u>		PAGE 1 of 1	SB-3
		CITY/STATE: <u>Bronx, New York</u>			
		GEI PROJECT NUMBER: <u>1803080</u>			

NORTHING (FT): _____	EASTING (FT): _____	LOCATION: <u>580-610 Gerard Avenue</u>
DRILLED BY: <u>Cascade Drilling / Luke Caballero</u>	TOTAL DEPTH (FT): <u>5.0</u>	
LOGGED BY: <u>Bill Fitchett</u>	DATUM VERT. / HORZ.: _____	
DRILLING DETAILS: <u>Direct Push / Geoprobe 7822DT</u>	DATE START / END: <u>8/10/2018 - 8/10/2018</u>	
WATER LEVEL DEPTHS (FT): _____		
GENERAL NOTE: _____		

ELEV. FT.	DEPTH FT.	SAMPLE INFO			STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
		TYPE and NO.	PEN/REC FT./FT.	PID (PPM)			
	0	S1	5/48	0.0		SB-3 (0'-2')	(0'- 0.25') dry, asphalt. (0.25'- 2') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
	5						

End of Boring at 5 feet, Refusal.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL REC = RECOVERY LENGTH OF SAMPLE PID = PHOTOIONIZATION DETECTOR READING (PPM) JHS = JAR HEADSPACE PID READING (PPM)	ppm = PARTS PER MILLION IN. = INCHES FT. = FEET	NLO = NAPHTHALENE LIKE ODOR PLO = PETROLEUM LIKE ODOR TLO = TAR LIKE ODOR CLO = CHEMICAL LIKE ODOR ALO = ASPHALT LIKE ODOR
NA = NOT APPLICABLE NM = NOT MEASURED	Q _p = POCKET PENETROMETER S _v = TORVANE PEAK	CrLO= CREOSOTE LIKE ODOR OLO = ORGANIC LIKE ODOR SLO = SULFUR LIKE ODOR MLO = MUSTY LIKE ODOR



GEI Consultants, Inc. P.C.
110 Walt Whitman Road
Suite 204
Huntington Station,
New York 11746

CLIENT: Hunton Andrews Kurth LLP
PROJECT: Gerard Avenue
CITY/STATE: Bronx, New York
GEI PROJECT NUMBER: 1803080

BORING LOG

PAGE
1 of 1

SB-4

NORTHING (FT): _____ EASTING (FT): _____

LOCATION: 580-610 Gerard Avenue

DRILLED BY: Cascade Drilling / Luke Caballero

TOTAL DEPTH (FT): 20.0

LOGGED BY: Bill Fitchett

DATUM VERT. / HORZ.: _____

DATE START / END: 8/10/2018 - 8/10/2018

DRILLING DETAILS: Direct Push / Geoprobe 7822DT

WATER LEVEL DEPTHS (FT): ▼ 19.50 8/10/2018

GENERAL NOTE: _____

ELEV. FT.	DEPTH FT.	SAMPLE INFO			STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
		TYPE and NO.	PEN/REC FT./FT.	PID (PPM)			
	0	S1	5/3.3	0.0		SB-4 (0'-2')	(0'- 0.25') dry, asphalt. (0.25'- 5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown to black, rocks and brick fragments encountered, no visual impacts.
	5	S2	5/3	0.0			(5'- 7') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, black, no visual impacts.
	10	S3	5/3	0.0			(7'- 10') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, rock fragments encountered, no visual impacts.
	15	S4	5/3	0.0		SB-4 (17'-19')	(10'- 11.5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
	20						(11.5'- 12.5') NARROWLY GRADED GRAVEL (SP); ~100% gravel, 0.25, angular, ~0% sand, ~0% fines; max. gravel size 0.25, dry, dark brown, no visual impacts. (12.5'- 15') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, tan, no visual impacts.
							(15'- 18') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown to black, no visual impacts.
							(18'- 19') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, tan, no visual impacts.
							(19'- 20') SILT (ML); ~100% fines, ~0% gravel, ~0% sand; dry to moist at bottom, gray, no visual impacts.
							End of Boring at 20 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
JHS = JAR HEADSPACE PID READING (PPM)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO = CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

NA = NOT APPLICABLE Q_p = POCKET PENETROMETER
NM = NOT MEASURED S_v = TORVANE PEAK

ENVIRONMENTAL BORING LOG 580-610 GERARD AVE.GPJ GEI TEMPLATE 11-7-13.GDT 8/30/18

	GEI Consultants, Inc. P.C. 110 Walt Whitman Road Suite 204 Huntington Station, New York 11746	CLIENT: Hunton Andrews Kurth LLP	BORING LOG	
		PROJECT: Gerard Avenue	PAGE 1 of 1	SB-5
CITY/STATE: Bronx, New York				
GEI PROJECT NUMBER: 1803080				

NORTHING (FT): _____	EASTING (FT): _____	LOCATION: 580-610 Gerard Avenue
DRILLED BY: Cascade Drilling / Luke Caballero	TOTAL DEPTH (FT): 20.0	
LOGGED BY: Bill Fitchett	DATUM VERT. / HORZ.: _____	
DRILLING DETAILS: Direct Push / Geoprobe 7822DT	DATE START / END: 8/10/2018 - 8/10/2018	
WATER LEVEL DEPTHS (FT): _____		
GENERAL NOTE: _____		

ELEV. FT.	DEPTH FT.	SAMPLE INFO			STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
		TYPE and NO.	PEN/REC FT./FT.	PID (PPM)			
	0	S1	5/3	0.0		SB-5 (0'-2')	(0'- 0.25') dry, asphalt. (0.25'- 5') SILTY SAND (SM); ~70% sand, fine, ~30% fines, ~0% gravel; dry, dark brown, no visual impacts.
	5	S2	5/3.3	0.0			(5'- 6') SILTY SAND (SM); ~70% sand, fine, ~30% fines, ~0% gravel; dry, dark brown, no visual impacts. (6'- 17.5') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, light brown, no visual impacts.
	10	S3	5/4.5	0.0		SB-5 (10'-12')	
	15	S4	5/3	0.0			(17.5'- 20') SILTY SAND (SM); ~70% sand, fine, ~30% fines, ~0% gravel; dry, dark brown, no visual impacts.
	20						

End of Boring at 20 feet.

NOTES:			
PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL REC = RECOVERY LENGTH OF SAMPLE PID = PHOTOIONIZATION DETECTOR READING (PPM) JHS = JAR HEADSPACE PID READING (PPM)	ppm = PARTS PER MILLION IN. = INCHES FT. = FEET	NLO = NAPHTHALENE LIKE ODOR PLO = PETROLEUM LIKE ODOR TLO = TAR LIKE ODOR CLO = CHEMICAL LIKE ODOR ALO = ASPHALT LIKE ODOR	CrLO= CREOSOTE LIKE ODOR OLO = ORGANIC LIKE ODOR SLO = SULFUR LIKE ODOR MLO = MUSTY LIKE ODOR
NA = NOT APPLICABLE NM = NOT MEASURED	Q _p = POCKET PENETROMETER S _v = TORVANE PEAK		

ENVIRONMENTAL BORING LOG 580-610 GERARD AVE.GPJ GEI TEMPLATE 11-7-13.GDT 8/30/18



GEI Consultants, Inc. P.C.
110 Walt Whitman Road
Suite 204
Huntington Station,
New York 11746

CLIENT: **Hunton Andrews Kurth LLP**
PROJECT: **Gerard Avenue**
CITY/STATE: **Bronx, New York**
GEI PROJECT NUMBER: **1803080**

BORING LOG

PAGE
1 of 1

SB-6

NORTHING (FT): _____ EASTING (FT): _____

LOCATION: **580-610 Gerard Avenue**

DRILLED BY: **Cascade Drilling / Luke Caballero**

TOTAL DEPTH (FT): **20.0**

LOGGED BY: **Bill Fitchett**

DATUM VERT. / HORZ.: _____

DATE START / END: **8/10/2018 - 8/10/2018**

DRILLING DETAILS: **Direct Push / Geoprobe 7822DT**

WATER LEVEL DEPTHS (FT): _____

GENERAL NOTE: _____

ELEV. FT.	DEPTH FT.	SAMPLE INFO			STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
		TYPE and NO.	PEN/REC FT./FT.	PID (PPM)			
	0	S1	5/3.3	0.0		SB-6 (0'-2')	(0'- 0.25') dry, asphalt. (0.25'- 3') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, rock fragments encountered, no visual impacts.
	5	S2	5/3.6	0.0			(3'- 4') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, tan, no visual impacts. (4'- 5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts. (5'- 5.5') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, tan, no visual impacts. (5.5'- 8.5') POORLY GRADED GRAVEL WITH SILT (GP-GM); ~90% gravel, 0.25, ~10% sand, ~0% fines; max. gravel size 0.25, dry, black, no visual impacts.
	10	S3	5/4	0.0		SB-6 (10'-12')	(8.5'- 10') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, tan, no visual impacts. (10'- 12.5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
	15	S4	5/4	0.0			(12.5'- 15') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, tan, no visual impacts. (15'- 18') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
	20						(18'- 20') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, light brown, no visual impacts.

End of Boring at 20 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
JHS = JAR HEADSPACE PID READING (PPM)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO = CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

NA = NOT APPLICABLE Q_p = POCKET PENETROMETER
NM = NOT MEASURED S_v = TORVANE PEAK

ENVIRONMENTAL BORING LOG 580-610 GERARD AVE.GPJ GEI TEMPLATE 11-7-13.GDT 8/30/18



GEI Consultants, Inc. P.C.
110 Walt Whitman Road
Suite 204
Huntington Station,
New York 11746

CLIENT: **Hunton Andrews Kurth LLP**
PROJECT: **Gerard Avenue**
CITY/STATE: **Bronx, New York**
GEI PROJECT NUMBER: **1803080**

BORING LOG

PAGE
1 of 1

SB-7

NORTHING (FT): _____ EASTING (FT): _____ LOCATION: **580-610 Gerard Avenue**
DRILLED BY: **Cascade Drilling / Luke Caballero** TOTAL DEPTH (FT): **19.0**
LOGGED BY: **Bill Fitchett** DATUM VERT. / HORZ.: _____
DRILLING DETAILS: **Direct Push / Geoprobe 7822DT** DATE START / END: **8/10/2018 - 8/10/2018**
WATER LEVEL DEPTHS (FT): _____
GENERAL NOTE: _____

ELEV. FT.	DEPTH FT.	SAMPLE INFO			STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
		TYPE and NO.	PEN/REC FT./FT.	PID (PPM)				
	0	S1	5/2.75	0.0			SB-7 (0'-2')	(0'- 0.25') dry, asphalt. (0.25'- 5') WELL GRADED SAND (SW); ~100% sand, fine to medium sand, ~0% gravel, ~0% fines; dry, dark brown to black, no visual impacts.
	5	S2	2/1	0.0				(5'- 7.8') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, dark brown, no visual impacts.
		S3	2/1	0.0				(6.5'- 8') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
		S4	2/1	5.9		PLO		(8'- 10') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; slight petroleum-like odor, dry, dark brown to black, no visual impacts.
	10	S4	2/1	27.0		PLO	SB-7 (10'-12')	(10'- 12') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; slight petroleum-like odor, dry, dark brown to black, no visual impacts.
		S5	3/2	0.0				(12'- 15') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
	15	S6	1/0.75	0.0				(14'- 16') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, tan, no visual impacts.
		S7	2/1	0.0				(16'- 18') POORLY GRADED SAND (SP); ~90% sand, ~10% fines, ~0% gravel; moist, tan, no visual impacts.
		S8	1/0.5	0.0				(18'- 19') POORLY GRADED SAND (SP); ~90% sand, ~10% fines, ~0% gravel; wet, tan, no visual impacts.
								End of Boring at 19 feet, Refusal.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
JHS = JAR HEADSPACE PID READING (PPM)

NA = NOT APPLICABLE Q_p = POCKET PENETROMETER
NM = NOT MEASURED S_v = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO = CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG 580-610 GERARD AVE.GPJ GEI TEMPLATE 11-7-13.GDT 8/30/18



GEI Consultants, Inc. P.C.
110 Walt Whitman Road
Suite 204
Huntington Station,
New York 11746

CLIENT: Hunton Andrews Kurth LLP
PROJECT: Gerard Avenue
CITY/STATE: Bronx, New York
GEI PROJECT NUMBER: 1803080

BORING LOG

PAGE
1 of 1

SB-8

NORTHING (FT): _____ EASTING (FT): _____

LOCATION: 580-610 Gerard Avenue

DRILLED BY: Cascade Drilling / Luke Caballero

TOTAL DEPTH (FT): 19.5

LOGGED BY: Bill Fitchett

DATUM VERT. / HORZ.: _____

DATE START / END: 8/10/2018 - 8/10/2018

DRILLING DETAILS: Direct Push / Geoprobe 7822DT

WATER LEVEL DEPTHS (FT): _____

GENERAL NOTE: _____

ELEV. FT.	DEPTH FT.	SAMPLE INFO			STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
		TYPE and NO.	PEN/REC FT./FT.	PID (PPM)			
	0	S1	5/4	0.0		SB-8 (0'-2')	(0'- 0.25') ASPHALT; asphalt. (0.25'- 1') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, brick fragments encountered, no visual impacts. (1'- 5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, gray to black, brick fragments encountered, no visual impacts.
	5	S2	5/3	0.0			(5'- 10') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, rock fragments encountered, no visual impacts.
	10	S3	5/3	0.0			(10'- 15') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, brown to tan, rock and brick fragments encountered, no visual impacts.
	15	S3	5/2	0.0		SB-8 (17'-19')	(15'- 19') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown to black, no visual impacts.
							(19'- 19.5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; moist, tan, no visual impacts. End of Boring at 19.5 feet, Refusal.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
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ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO = CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

NA = NOT APPLICABLE Q_p = POCKET PENETROMETER
NM = NOT MEASURED S_v = TORVANE PEAK

ENVIRONMENTAL BORING LOG 580-610 GERARD AVE.GPJ GEI TEMPLATE 11-7-13.GDT 8/30/18

Appendix B

Laboratory Report and Chain-of-Custody Record



Technical Report

prepared for:

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Wendy Monterosso

Report Date: 08/20/2018
Client Project ID: 580 Gerard Ave
York Project (SDG) No.: 18H0563

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/20/2018
Client Project ID: 580 Gerard Ave
York Project (SDG) No.: 18H0563

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Wendy Monterosso

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 13, 2018 and listed below. The project was identified as your project: **580 Gerard Ave.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18H0563-01	SB-1 (0'-2')	Soil	08/10/2018	08/13/2018
18H0563-02	SB-1 (21'-23')	Soil	08/10/2018	08/13/2018
18H0563-03	SB-2 (0'-2')	Soil	08/10/2018	08/13/2018
18H0563-04	SB-2 (21'-23')	Soil	08/10/2018	08/13/2018
18H0563-05	SB-3 (0'-2')	Soil	08/10/2018	08/13/2018
18H0563-06	SB-4 (0'-2')	Soil	08/10/2018	08/13/2018
18H0563-07	SB-4 (17'-19')	Soil	08/10/2018	08/13/2018
18H0563-08	SB-5 (0'-2')	Soil	08/10/2018	08/13/2018
18H0563-09	SB-5 (10'-12')	Soil	08/10/2018	08/13/2018
18H0563-10	SB-6 (0'-2')	Soil	08/10/2018	08/13/2018
18H0563-11	SB-6 (10'-12')	Soil	08/10/2018	08/13/2018
18H0563-12	SB-7 (0'-2')	Soil	08/10/2018	08/13/2018
18H0563-13	SB-7 (10'-12')	Soil	08/10/2018	08/13/2018
18H0563-14	SB-8 (0'-2')	Soil	08/10/2018	08/13/2018
18H0563-15	SB-8 (17'-19')	Soil	08/10/2018	08/13/2018

General Notes for York Project (SDG) No.: 18H0563

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/20/2018





Sample Information

Client Sample ID: SB-1 (0'-2')

York Sample ID: 18H0563-01

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 3:40 pm

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 04:31	08/16/2018 04:31	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 04:31	08/16/2018 04:31	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL



Sample Information

Client Sample ID: SB-1 (0'-2')

York Sample ID: 18H0563-01

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 3:40 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
67-64-1	Acetone	0.0083	J	mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL



Sample Information

Client Sample ID: SB-1 (0'-2')

York Sample ID: 18H0563-01

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 3:40 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
127-18-4	Tetrachloroethylene	0.0077		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH	08/16/2018 04:31	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0083	0.017	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 04:31	LL
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB-1 (0'-2')

York Sample ID: 18H0563-01

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 3:40 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.6 %			77-125						
2037-26-5	Surrogate: Toluene-d8	115 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	117 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR



Sample Information

Client Sample ID: SB-1 (0'-2')

York Sample ID: 18H0563-01

York Project (SDG) No.
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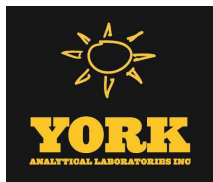
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
83-32-9	Acenaphthene	0.0590	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
208-96-8	Acenaphthylene	0.112		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
120-12-7	Anthracene	0.171		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
56-55-3	Benzo(a)anthracene	0.692		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
50-32-8	Benzo(a)pyrene	0.824		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR



Sample Information

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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	0.659		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
191-24-2	Benzo(g,h,i)perylene	0.433		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
207-08-9	Benzo(k)fluoranthene	0.703		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0664	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
86-74-8	Carbazole	0.0561	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
218-01-9	Chrysene	0.739		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
53-70-3	Dibenzo(a,h)anthracene	0.161		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
206-44-0	Fluoranthene	1.36		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
86-73-7	Fluorene	0.0480	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR



Sample Information

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York Project (SDG) No.
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Collection Date/Time
August 10, 2018 3:40 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.370		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
85-01-8	Phenanthrene	0.624		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
129-00-0	Pyrene	1.16		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR

Surrogate Recoveries		Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	53.6 %	20-108
4165-62-2	Surrogate: Phenol-d5	56.4 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	67.0 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	55.6 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	57.0 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	63.8 %	24-116

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
50-29-3	4,4'-DDT	0.00819		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB



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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 21:07	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0365	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
60-57-1	Dieldrin	0.00239		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 21:07	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
72-20-8	Endrin	0.00514		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
7421-93-4	Endrin aldehyde	0.00230		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
53494-70-5	Endrin ketone	0.00660		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 21:07	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00913	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0924	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	64.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	70.5 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-1 (0'-2')

York Sample ID: 18H0563-01

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 3:40 pm

Date Received
08/13/2018

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:32	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:32	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:32	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:32	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:32	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:32	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:32	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 13:32	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	61.9 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	66.2 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7690		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-36-0	Antimony	3.37	B	mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-38-2	Arsenic	7.14		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-39-3	Barium	253		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-41-7	Beryllium	0.138		mg/kg dry	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-43-9	Cadmium	0.713		mg/kg dry	0.332	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-70-2	Calcium	15400		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-47-3	Chromium	19.4		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-48-4	Cobalt	7.95		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-50-8	Copper	106		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML



Sample Information

Client Sample ID: SB-1 (0'-2')

York Sample ID: 18H0563-01

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 3:40 pm

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	17900		mg/kg dry	2.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7439-92-1	Lead	398		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7439-95-4	Magnesium	4150		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7439-96-5	Manganese	348		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-02-0	Nickel	22.1		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-09-7	Potassium	1720	B	mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7782-49-2	Selenium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-22-4	Silver	ND		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-23-5	Sodium	339	B	mg/kg dry	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-28-0	Thallium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-62-2	Vanadium	22.9		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-66-6	Zinc	375		mg/kg dry	1.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.395		mg/kg dry	0.0332	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/20/2018 09:08	08/20/2018 12:11	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.3		%	0.100	1	SM 2540G Certifications: CTDOH	08/17/2018 10:26	08/17/2018 16:13	TAJ



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 05:01	08/16/2018 05:01	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 05:01	08/16/2018 05:01	LL
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.023		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
87-68-3	Hexachlorobutadiene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
98-82-8	Isopropylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
104-51-8	n-Butylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
103-65-1	n-Propylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
135-98-8	sec-Butylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
98-06-6	tert-Butylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH	08/16/2018 05:01	08/16/2018 05:01	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 05:01	08/16/2018 05:01	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	89.3 %	77-125								
2037-26-5	Surrogate: Toluene-d8	116 %	85-120								



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
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Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	138 %	S-08		76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
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Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
62-53-3	Aniline	ND		mg/kg dry	0.180	0.360	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
56-55-3	Benzo(a)anthracene	0.131		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
50-32-8	Benzo(a)pyrene	0.173		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
205-99-2	Benzo(b)fluoranthene	0.137		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
191-24-2	Benzo(g,h,i)perylene	0.152		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR



Sample Information

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York Sample ID: 18H0563-02

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Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	0.129		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
218-01-9	Chrysene	0.147		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
206-44-0	Fluoranthene	0.234		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	0.0920		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
85-01-8	Phenanthrene	0.119		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
108-95-2	Phenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
129-00-0	Pyrene	0.220		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	69.1 %	20-108								
4165-62-2	Surrogate: Phenol-d5	72.2 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	86.4 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	65.6 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	71.3 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	81.2 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 21:22	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0356	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 21:22	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 21:22	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00890	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0901	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	36.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	57.3 %	30-150							

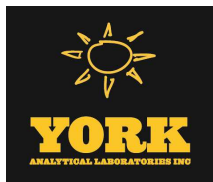
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:56	LAB



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 4:00 pm

Date Received

08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:56	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:56	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:56	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:56	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:56	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:56	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 13:56	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	49.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	48.3 %								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	11700		mg/kg dry	5.41	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-36-0	Antimony	2.18	B	mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-38-2	Arsenic	4.20		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-39-3	Barium	162		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.108	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.324	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-70-2	Calcium	15300		mg/kg dry	5.41	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-47-3	Chromium	23.0		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-48-4	Cobalt	14.2		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-50-8	Copper	46.1		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7439-89-6	Iron	24300		mg/kg dry	2.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	150		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7439-95-4	Magnesium	7310		mg/kg dry	5.41	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7439-96-5	Manganese	359		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-02-0	Nickel	24.0		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-09-7	Potassium	3890	B	mg/kg dry	5.41	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7782-49-2	Selenium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-22-4	Silver	ND		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-23-5	Sodium	200	B	mg/kg dry	10.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-28-0	Thallium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-62-2	Vanadium	31.3		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-66-6	Zinc	129		mg/kg dry	1.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.457		mg/kg dry	0.0324	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/20/2018 09:08	08/20/2018 12:17	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.5		%	0.100	1	SM 2540G Certifications: CTDOH	08/17/2018 10:26	08/17/2018 16:13	TAJ



Sample Information

Client Sample ID: SB-2 (0'-2')

York Sample ID: 18H0563-03

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:21 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 05:30	08/16/2018 05:30	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 05:30	08/16/2018 05:30	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL



Sample Information

Client Sample ID: SB-2 (0'-2')

York Sample ID: 18H0563-03

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:21 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.035		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL



Sample Information

Client Sample ID: SB-2 (0'-2')

York Sample ID: 18H0563-03

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:21 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
127-18-4	Tetrachloroethylene	0.0065		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH	08/16/2018 05:30	08/16/2018 05:30	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 05:30	08/16/2018 05:30	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.0 %	77-125								



Sample Information

Client Sample ID: SB-2 (0'-2')

York Sample ID: 18H0563-03

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:21 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	106 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	115 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR



Sample Information

Client Sample ID: SB-2 (0'-2')

York Sample ID: 18H0563-03

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:21 am

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
83-32-9	Acenaphthene	0.215		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
208-96-8	Acenaphthylene	0.0739	J	mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
62-53-3	Aniline	ND		mg/kg dry	0.173	0.346	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
120-12-7	Anthracene	0.366		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
92-87-5	Benzidine	ND		mg/kg dry	0.173	0.346	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
56-55-3	Benzo(a)anthracene	1.22		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
50-32-8	Benzo(a)pyrene	1.27		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
205-99-2	Benzo(b)fluoranthene	1.03		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR



Sample Information

Client Sample ID: SB-2 (0'-2')

York Sample ID: 18H0563-03

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:21 am

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	0.600		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
207-08-9	Benzo(k)fluoranthene	1.09		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0497	J	mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
86-74-8	Carbazole	0.155		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
218-01-9	Chrysene	1.27		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
53-70-3	Dibenzo(a,h)anthracene	0.222		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
132-64-9	Dibenzofuran	0.0794	J	mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
206-44-0	Fluoranthene	2.37		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
86-73-7	Fluorene	0.116		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR



Sample Information

Client Sample ID: SB-2 (0'-2')

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York Project (SDG) No.
18H0563

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580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:21 am

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.589		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
91-20-3	Naphthalene	0.0829	J	mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
85-01-8	Phenanthrene	1.52		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
108-95-2	Phenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
129-00-0	Pyrene	2.00		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	77.5 %	20-108								
4165-62-2	Surrogate: Phenol-d5	72.0 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	89.3 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	70.5 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	78.8 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	82.1 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
50-29-3	4,4'-DDT	0.00684		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB



Sample Information

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York Sample ID: 18H0563-03

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
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Collection Date/Time
August 10, 2018 10:21 am

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 21:52	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0340	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
60-57-1	Dieldrin	0.00261		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 21:52	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
72-20-8	Endrin	0.00348		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
7421-93-4	Endrin aldehyde	0.00217		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 21:52	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00849	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0860	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	48.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	55.8 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-2 (0'-2')

York Sample ID: 18H0563-03

York Project (SDG) No.
18H0563

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580 Gerard Ave

Matrix
Soil

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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:20	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:20	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:20	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:20	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:20	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:20	LAB
11096-82-5	Aroclor 1260	0.0342		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:20	LAB
1336-36-3	* Total PCBs	0.0342		mg/kg dry	0.0172	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 14:20	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	51.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	47.3 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9310		mg/kg dry	5.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML
7440-36-0	Antimony	1.55	B	mg/kg dry	0.518	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML
7440-38-2	Arsenic	4.57		mg/kg dry	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML
7440-39-3	Barium	875		mg/kg dry	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.104	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML
7440-43-9	Cadmium	0.399		mg/kg dry	0.311	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML
7440-70-2	Calcium	8150		mg/kg dry	5.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML
7440-47-3	Chromium	17.7		mg/kg dry	0.518	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML
7440-48-4	Cobalt	7.61		mg/kg dry	0.518	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML



Sample Information

Client Sample ID: SB-2 (0'-2')

York Sample ID: 18H0563-03

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:21 am

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	29.8		mg/kg dry	0.518	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	14700		mg/kg dry	2.07	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	109		mg/kg dry	0.518	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	3900		mg/kg dry	5.18	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	294		mg/kg dry	0.518	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	15.5		mg/kg dry	0.518	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	1860	B	mg/kg dry	5.18	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.04	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.518	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	169	B	mg/kg dry	10.4	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.04	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	21.6		mg/kg dry	1.04	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	259		mg/kg dry	1.55	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.171		mg/kg dry	0.0311	1	EPA 7473	08/20/2018 09:08	08/20/2018 12:26	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	96.6		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 06:00	08/16/2018 06:00	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 06:00	08/16/2018 06:00	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
78-93-3	2-Butanone	0.0040	J	mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

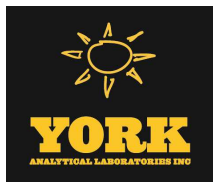
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.031		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 10:55 am

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
127-18-4	Tetrachloroethylene	0.0074		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH	08/16/2018 06:00	08/16/2018 06:00	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 06:00	08/16/2018 06:00	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.5 %	77-125								



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	108 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
208-96-8	Acenaphthylene	0.114		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
62-53-3	Aniline	ND		mg/kg dry	0.171	0.341	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
120-12-7	Anthracene	0.116		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
92-87-5	Benzidine	ND		mg/kg dry	0.171	0.341	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
56-55-3	Benzo(a)anthracene	0.472		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
50-32-8	Benzo(a)pyrene	0.527		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
205-99-2	Benzo(b)fluoranthene	0.433		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	0.269		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
207-08-9	Benzo(k)fluoranthene	0.467		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.290		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
218-01-9	Chrysene	0.467		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
53-70-3	Dibenzo(a,h)anthracene	0.0988		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
206-44-0	Fluoranthene	0.929		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR



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Collection Date/Time
August 10, 2018 10:55 am

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08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.258		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
85-01-8	Phenanthrene	0.515		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
108-95-2	Phenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
129-00-0	Pyrene	0.840		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	56.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	57.3 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	62.5 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	54.9 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	57.8 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	67.2 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
50-29-3	4,4'-DDT	0.0107		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 22:07	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0337	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
60-57-1	Dieldrin	0.00411		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
33213-65-9	Endosulfan II	0.00364		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 22:07	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
72-20-8	Endrin	0.00923		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
7421-93-4	Endrin aldehyde	0.00355		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
53494-70-5	Endrin ketone	0.0128		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 22:07	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00842	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0852	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	71.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	71.8 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:44	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:44	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:44	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:44	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:44	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:44	LAB
11096-82-5	Aroclor 1260	0.0499		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:44	LAB
1336-36-3	* Total PCBs	0.0499		mg/kg dry	0.0170	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 14:44	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	64.9 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	64.2 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	15300		mg/kg dry	5.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML
7440-36-0	Antimony	2.88	B	mg/kg dry	0.511	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML
7440-38-2	Arsenic	4.79		mg/kg dry	1.02	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML
7440-39-3	Barium	495		mg/kg dry	1.02	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.102	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML
7440-43-9	Cadmium	0.344		mg/kg dry	0.307	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML
7440-70-2	Calcium	6910		mg/kg dry	5.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML
7440-47-3	Chromium	43.8		mg/kg dry	0.511	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML
7440-48-4	Cobalt	14.5		mg/kg dry	0.511	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	27.2		mg/kg dry	0.511	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	29300		mg/kg dry	2.04	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	35.6		mg/kg dry	0.511	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	7500		mg/kg dry	5.11	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	408		mg/kg dry	0.511	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	23.7		mg/kg dry	0.511	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	8780	B	mg/kg dry	5.11	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.02	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.511	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	195	B	mg/kg dry	10.2	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.02	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	46.7		mg/kg dry	1.02	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	117		mg/kg dry	1.53	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0959		mg/kg dry	0.0307	1	EPA 7473	08/20/2018 09:08	08/20/2018 12:35	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	97.8		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB-3 (0'-2')

York Sample ID: 18H0563-05

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:30 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 06:30	08/16/2018 06:30	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 06:30	08/16/2018 06:30	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
95-63-6	1,2,4-Trimethylbenzene	0.022		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
108-67-8	1,3,5-Trimethylbenzene	0.0096		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL



Sample Information

Client Sample ID: SB-3 (0'-2')

York Sample ID: 18H0563-05

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:30 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.041		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
100-41-4	Ethyl Benzene	0.0034	J	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL



Sample Information

Client Sample ID: SB-3 (0'-2')

York Sample ID: 18H0563-05

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:30 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
95-47-6	o-Xylene	0.0075		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
179601-23-1	p- & m- Xylenes	0.014		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-65-0	tert-Butyl alcohol (TBA)	0.0072		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
108-88-3	Toluene	0.0062		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH	08/16/2018 06:30	08/16/2018 06:30	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
1330-20-7	Xylenes, Total	0.022		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 06:30	08/16/2018 06:30	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	87.7 %	77-125								



Sample Information

Client Sample ID: SB-3 (0'-2')

York Sample ID: 18H0563-05

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:30 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	99.1 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	116 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR



Sample Information

Client Sample ID: SB-3 (0'-2')

York Sample ID: 18H0563-05

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:30 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
62-53-3	Aniline	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,PADEP	08/17/2018 19:25	SR
56-55-3	Benzo(a)anthracene	0.108		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
50-32-8	Benzo(a)pyrene	0.159		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
205-99-2	Benzo(b)fluoranthene	0.160		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR



Sample Information

Client Sample ID: SB-3 (0'-2')

York Sample ID: 18H0563-05

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:30 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	0.147		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
207-08-9	Benzo(k)fluoranthene	0.125		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
85-68-7	Benzyl butyl phthalate	0.0522	J	mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
218-01-9	Chrysene	0.129		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
206-44-0	Fluoranthene	0.116		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR



Sample Information

Client Sample ID: SB-3 (0'-2')

York Sample ID: 18H0563-05

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:30 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.125		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
85-01-8	Phenanthrene	0.0486	J	mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
108-95-2	Phenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
129-00-0	Pyrene	0.112		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	55.6 %	20-108								
4165-62-2	Surrogate: Phenol-d5	54.8 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	63.6 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	53.8 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	54.9 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	64.9 %	24-116								

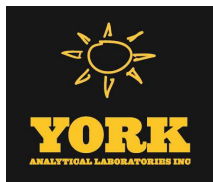
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB



Sample Information

Client Sample ID: SB-3 (0'-2')

York Sample ID: 18H0563-05

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 2:30 pm

Date Received

08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 22:22	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0357	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 22:22	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 22:22	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00892	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0903	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	84.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	74.7 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-3 (0'-2')

York Sample ID: 18H0563-05

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:30 pm

Date Received
08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.180	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.180	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.180	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.180	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.180	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
11097-69-1	Aroclor 1254	7.69		mg/kg dry	0.180	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
11096-82-5	Aroclor 1260	1.41		mg/kg dry	0.180	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
1336-36-3	* Total PCBs	9.11		mg/kg dry	0.180	10	EPA 8082A Certifications:	08/15/2018 14:35	08/17/2018 14:38	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	59.4 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	69.7 %	30-140							

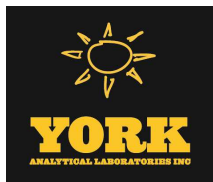
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	16900		mg/kg dry	5.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML
7440-36-0	Antimony	3.59	B	mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML
7440-38-2	Arsenic	5.57		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML
7440-39-3	Barium	509		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML
7440-43-9	Cadmium	0.659		mg/kg dry	0.326	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML
7440-70-2	Calcium	12600		mg/kg dry	5.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML
7440-47-3	Chromium	41.7		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML
7440-48-4	Cobalt	17.5		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML



Sample Information

Client Sample ID: SB-3 (0'-2')

York Sample ID: 18H0563-05

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

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Collection Date/Time

August 10, 2018 2:30 pm

Date Received

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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	54.7		mg/kg dry	0.544	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	31600		mg/kg dry	2.17	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	285		mg/kg dry	0.544	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	9970		mg/kg dry	5.44	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	362		mg/kg dry	0.544	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	32.4		mg/kg dry	0.544	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	8690	B	mg/kg dry	5.44	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.09	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.544	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	319	B	mg/kg dry	10.9	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	47.5		mg/kg dry	1.09	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	201		mg/kg dry	1.63	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.474		mg/kg dry	0.0326	1	EPA 7473	08/20/2018 09:08	08/20/2018 12:44	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.0		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB-4 (0'-2')

York Sample ID: 18H0563-06

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:15 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 09:05	08/16/2018 09:05	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 09:05	08/16/2018 09:05	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.060	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL



Sample Information

Client Sample ID: SB-4 (0'-2')

York Sample ID: 18H0563-06

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:15 pm

Date Received
08/13/2018

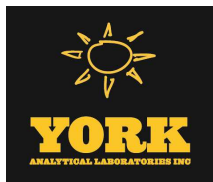
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.030		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL



Sample Information

Client Sample ID: SB-4 (0'-2')

York Sample ID: 18H0563-06

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 1:15 pm

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-65-0	tert-Butyl alcohol (TBA)	0.011		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH	08/16/2018 09:05	08/16/2018 09:05	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 09:05	08/16/2018 09:05	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	77-125								



Sample Information

Client Sample ID: SB-4 (0'-2')

York Sample ID: 18H0563-06

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:15 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	106 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	112 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR



Sample Information

Client Sample ID: SB-4 (0'-2')

York Sample ID: 18H0563-06

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:15 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
208-96-8	Acenaphthylene	0.0725	J	mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
62-53-3	Aniline	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
120-12-7	Anthracene	0.169		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
92-87-5	Benzidine	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,PADEP	08/17/2018 19:55	SR
56-55-3	Benzo(a)anthracene	0.504		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
50-32-8	Benzo(a)pyrene	0.560		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
205-99-2	Benzo(b)fluoranthene	0.469		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR



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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	0.318		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
207-08-9	Benzo(k)fluoranthene	0.484		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
218-01-9	Chrysene	0.523		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
53-70-3	Dibenzo(a,h)anthracene	0.104		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
206-44-0	Fluoranthene	0.980		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR



Sample Information

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580 Gerard Ave

Matrix
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Collection Date/Time
August 10, 2018 1:15 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.269		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
85-01-8	Phenanthrene	0.561		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
108-95-2	Phenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
129-00-0	Pyrene	0.889		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	66.4 %	20-108								
4165-62-2	Surrogate: Phenol-d5	63.6 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	76.2 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	61.4 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	60.3 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	68.2 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB



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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 22:36	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0396	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 22:36	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 22:36	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00989	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.100	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	91.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	75.2 %	30-150							

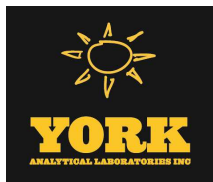
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

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Matrix

Soil

Collection Date/Time

August 10, 2018 1:15 pm

Date Received

08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.200	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:51	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.200	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:51	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.200	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:51	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.200	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:51	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.200	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:51	LAB
11097-69-1	Aroclor 1254	1.84		mg/kg dry	0.200	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:51	LAB
11096-82-5	Aroclor 1260	3.13		mg/kg dry	0.200	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:51	LAB
1336-36-3	* Total PCBs	4.97		mg/kg dry	0.200	10	EPA 8082A Certifications:	08/15/2018 14:35	08/17/2018 14:51	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	64.4 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	144 %	S-GC	30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10400		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML
7440-36-0	Antimony	1.30	B	mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML
7440-38-2	Arsenic	5.46		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML
7440-39-3	Barium	938		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.120	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML
7440-43-9	Cadmium	0.384		mg/kg dry	0.360	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML
7440-70-2	Calcium	14600		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML
7440-47-3	Chromium	23.9		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML
7440-48-4	Cobalt	10.3		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML



Sample Information

Client Sample ID: SB-4 (0'-2')

York Sample ID: 18H0563-06

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:15 pm

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	41.4		mg/kg dry	0.600	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	18400		mg/kg dry	2.40	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	397		mg/kg dry	0.600	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	4690		mg/kg dry	6.00	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	293		mg/kg dry	0.600	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	19.5		mg/kg dry	0.600	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	2480	B	mg/kg dry	6.00	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.20	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.600	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	387	B	mg/kg dry	12.0	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.20	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	29.2		mg/kg dry	1.20	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	210		mg/kg dry	1.80	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.909		mg/kg dry	0.0360	1	EPA 7473	08/20/2018 09:08	08/20/2018 12:53	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.4		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:25 pm

Date Received
08/13/2018

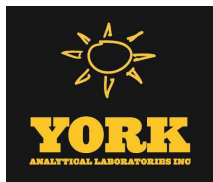
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 09:34	08/16/2018 09:34	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 09:34	08/16/2018 09:34	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 1:25 pm

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.074		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:25 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-65-0	tert-Butyl alcohol (TBA)	0.014		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH	08/16/2018 09:34	08/16/2018 09:34	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 09:34	08/16/2018 09:34	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.5 %	77-125								



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:25 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	91.9 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	105 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:25 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
62-53-3	Aniline	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:25 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:25 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
108-95-2	Phenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	65.3 %									
4165-62-2	Surrogate: Phenol-d5	61.2 %									
4165-60-0	Surrogate: Nitrobenzene-d5	74.9 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	64.0 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	70.4 %									
1718-51-0	Surrogate: Terphenyl-d14	70.2 %									

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:25 pm

Date Received
08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 22:51	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0352	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 22:51	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 22:51	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00880	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0891	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	59.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	57.9 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:25 pm

Date Received
08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 16:52	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 16:52	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 16:52	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 16:52	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 16:52	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 16:52	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 16:52	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 16:52	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	53.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	58.2 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7140		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML
7440-36-0	Antimony	ND		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML
7440-38-2	Arsenic	1.55		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML
7440-39-3	Barium	29.9		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML
7440-41-7	Beryllium	0.212		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.322	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML
7440-70-2	Calcium	851		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML
7440-47-3	Chromium	10.7		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML
7440-48-4	Cobalt	6.06		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:25 pm

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	11.5		mg/kg dry	0.536	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	13700		mg/kg dry	2.15	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	5.46		mg/kg dry	0.536	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	2820		mg/kg dry	5.36	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	257		mg/kg dry	0.536	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	12.8		mg/kg dry	0.536	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	1040	B	mg/kg dry	5.36	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.536	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	96.8	B	mg/kg dry	10.7	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	13.9		mg/kg dry	1.07	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	38.2		mg/kg dry	1.61	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0322	1	EPA 7473	08/20/2018 09:08	08/20/2018 13:06	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.2		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB-5 (0'-2')

York Sample ID: 18H0563-08

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:25 am

Date Received
08/13/2018

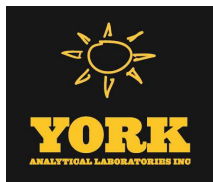
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 10:04	08/16/2018 10:04	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 10:04	08/16/2018 10:04	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL



Sample Information

Client Sample ID: SB-5 (0'-2')

York Sample ID: 18H0563-08

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 11:25 am

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.040		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL



Sample Information

Client Sample ID: SB-5 (0'-2')

York Sample ID: 18H0563-08

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:25 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH	08/16/2018 10:04	08/16/2018 10:04	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 10:04	08/16/2018 10:04	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.3 %	77-125								
2037-26-5	Surrogate: Toluene-d8	99.5 %	85-120								



Sample Information

Client Sample ID: SB-5 (0'-2')

York Sample ID: 18H0563-08

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

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Collection Date/Time
August 10, 2018 11:25 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	113 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR



Sample Information

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August 10, 2018 11:25 am

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
62-53-3	Aniline	ND		mg/kg dry	0.174	0.349	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
120-12-7	Anthracene	0.0494	J	mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
92-87-5	Benzidine	ND		mg/kg dry	0.174	0.349	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
56-55-3	Benzo(a)anthracene	0.135		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
50-32-8	Benzo(a)pyrene	0.129		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
205-99-2	Benzo(b)fluoranthene	0.113		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
191-24-2	Benzo(g,h,i)perylene	0.0724	J	mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR



Sample Information

Client Sample ID: SB-5 (0'-2')

York Sample ID: 18H0563-08

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:25 am

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	0.117		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
218-01-9	Chrysene	0.143		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
206-44-0	Fluoranthene	0.336		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR



Sample Information

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Collection Date/Time
August 10, 2018 11:25 am

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	0.0654	J	mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
85-01-8	Phenanthrene	0.275		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
108-95-2	Phenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
129-00-0	Pyrene	0.276		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	73.2 %	20-108								
4165-62-2	Surrogate: Phenol-d5	68.9 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	81.2 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	66.2 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	73.2 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	78.9 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB



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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 23:06	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0343	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 23:06	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 23:06	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00857	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0868	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	55.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	55.7 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:16	LAB



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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:16	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:16	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:16	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:16	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:16	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:16	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 17:16	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	51.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	45.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7860		mg/kg dry	5.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-36-0	Antimony	ND		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-38-2	Arsenic	1.77		mg/kg dry	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-39-3	Barium	57.3		mg/kg dry	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-41-7	Beryllium	0.184		mg/kg dry	0.104	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.313	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-70-2	Calcium	1920		mg/kg dry	5.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-47-3	Chromium	13.3		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-48-4	Cobalt	4.83		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-50-8	Copper	11.7		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7439-89-6	Iron	11100		mg/kg dry	2.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML



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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	59.1		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7439-95-4	Magnesium	2870		mg/kg dry	5.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7439-96-5	Manganese	289		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-02-0	Nickel	11.0		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-09-7	Potassium	1110	B	mg/kg dry	5.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7782-49-2	Selenium	ND		mg/kg dry	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-22-4	Silver	ND		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-23-5	Sodium	170	B	mg/kg dry	10.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-28-0	Thallium	ND		mg/kg dry	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-62-2	Vanadium	15.4		mg/kg dry	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-66-6	Zinc	87.3		mg/kg dry	1.57	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0873		mg/kg dry	0.0313	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/20/2018 09:08	08/20/2018 13:14	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	95.8		%	0.100	1	SM 2540G Certifications: CTDOH	08/17/2018 10:26	08/17/2018 16:13	TAJ



Sample Information

Client Sample ID: SB-5 (10'-12')

York Sample ID: 18H0563-09

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 10:34	08/16/2018 10:34	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 10:34	08/16/2018 10:34	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.064	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
78-93-3	2-Butanone	0.011		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL



Sample Information

Client Sample ID: SB-5 (10'-12')

York Sample ID: 18H0563-09

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.17		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
71-43-2	Benzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL



Sample Information

Client Sample ID: SB-5 (10'-12')

York Sample ID: 18H0563-09

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-09-2	Methylene chloride	0.012	J	mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
100-42-5	Styrene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-65-0	tert-Butyl alcohol (TBA)	0.14		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
108-88-3	Toluene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH	08/16/2018 10:34	08/16/2018 10:34	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0097	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 10:34	08/16/2018 10:34	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.0 %	77-125								



Sample Information

Client Sample ID: SB-5 (10'-12')

York Sample ID: 18H0563-09

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	110 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR



Sample Information

Client Sample ID: SB-5 (10'-12')

York Sample ID: 18H0563-09

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
62-53-3	Aniline	ND		mg/kg dry	0.215	0.430	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
92-87-5	Benzidine	ND		mg/kg dry	0.215	0.430	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR



Sample Information

Client Sample ID: SB-5 (10'-12')

York Sample ID: 18H0563-09

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
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Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
206-44-0	Fluoranthene	0.0867	J	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR



Sample Information

Client Sample ID: SB-5 (10'-12')

York Sample ID: 18H0563-09

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
85-01-8	Phenanthrene	0.0635	J	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
108-95-2	Phenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
129-00-0	Pyrene	0.0773	J	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	62.9 %									
4165-62-2	Surrogate: Phenol-d5	65.4 %									
4165-60-0	Surrogate: Nitrobenzene-d5	73.8 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	63.6 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	38.0 %									
1718-51-0	Surrogate: Terphenyl-d14	73.3 %									

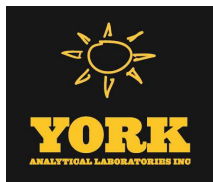
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB



Sample Information

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 23:21	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0425	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 23:21	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 23:21	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.0106	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.107	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	55.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	56.7 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-5 (10'-12')

York Sample ID: 18H0563-09

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:40	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:40	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:40	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:40	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:40	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:40	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:40	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 17:40	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	54.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	55.7 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8570	B	mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML
7440-36-0	Antimony	1.94		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML
7440-38-2	Arsenic	3.80		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML
7440-39-3	Barium	62.1		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.129	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.386	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML
7440-70-2	Calcium	10000		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML
7440-47-3	Chromium	20.4		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML
7440-48-4	Cobalt	6.37		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML



Sample Information

Client Sample ID: SB-5 (10'-12')

York Sample ID: 18H0563-09

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	13.1		mg/kg dry	0.644	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	13800		mg/kg dry	2.58	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	18.2		mg/kg dry	0.644	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	3020		mg/kg dry	6.44	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	377		mg/kg dry	0.644	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	15.6		mg/kg dry	0.644	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	1700		mg/kg dry	6.44	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.29	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.644	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	348	B	mg/kg dry	12.9	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.29	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	18.6		mg/kg dry	1.29	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	47.4		mg/kg dry	1.93	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0386	1	EPA 7473	08/20/2018 09:08	08/20/2018 13:23	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	77.6		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:07 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 11:03	08/16/2018 11:03	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 11:03	08/16/2018 11:03	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
78-93-3	2-Butanone	0.0031	J	mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:07 pm

Date Received
08/13/2018

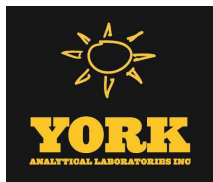
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.11		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
71-43-2	Benzene	0.0031	J	mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 12:07 pm

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-65-0	tert-Butyl alcohol (TBA)	0.017		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH	08/16/2018 11:03	08/16/2018 11:03	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0083	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 11:03	08/16/2018 11:03	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.0 %	77-125								



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:07 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	116 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	121 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:07 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
83-32-9	Acenaphthene	0.179		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
208-96-8	Acenaphthylene	0.0706	J	mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
62-53-3	Aniline	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
120-12-7	Anthracene	0.451		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
56-55-3	Benzo(a)anthracene	1.05		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
50-32-8	Benzo(a)pyrene	1.10		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
205-99-2	Benzo(b)fluoranthene	0.886		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:07 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	0.562		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
207-08-9	Benzo(k)fluoranthene	0.903		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
86-74-8	Carbazole	0.128		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
218-01-9	Chrysene	1.09		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
53-70-3	Dibenzo(a,h)anthracene	0.200		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
132-64-9	Dibenzofuran	0.0757	J	mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
206-44-0	Fluoranthene	2.62		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
86-73-7	Fluorene	0.148		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:07 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.515		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
85-01-8	Phenanthrene	1.98		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
108-95-2	Phenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
129-00-0	Pyrene	2.20		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	67.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	70.0 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	76.7 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	64.1 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	69.6 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	71.7 %	24-116								

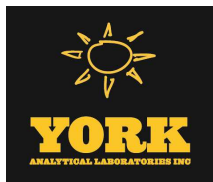
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
50-29-3	4,4'-DDT	0.00469		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 12:07 pm

Date Received

08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 23:36	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0362	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
60-57-1	Dieldrin	0.00242		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 23:36	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
72-20-8	Endrin	0.00372		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
7421-93-4	Endrin aldehyde	0.00203		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 23:36	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00904	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0915	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	54.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	67.6 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:07 pm

Date Received
08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:04	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:04	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:04	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:04	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:04	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:04	LAB
11096-82-5	Aroclor 1260	0.0302		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:04	LAB
1336-36-3	* Total PCBs	0.0302		mg/kg dry	0.0183	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 18:04	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	61.9 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	57.2 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8850	B	mg/kg dry	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML
7440-36-0	Antimony	1.64		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML
7440-38-2	Arsenic	4.79		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML
7440-39-3	Barium	215		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML
7440-43-9	Cadmium	0.753		mg/kg dry	0.331	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML
7440-70-2	Calcium	10200		mg/kg dry	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML
7440-47-3	Chromium	17.0		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML
7440-48-4	Cobalt	7.60		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:07 pm

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	46.8		mg/kg dry	0.551	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	14600		mg/kg dry	2.21	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	328		mg/kg dry	0.551	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	3340		mg/kg dry	5.51	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	240		mg/kg dry	0.551	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	16.7		mg/kg dry	0.551	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	1460		mg/kg dry	5.51	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.10	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.551	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	311	B	mg/kg dry	11.0	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	19.9		mg/kg dry	1.10	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	262		mg/kg dry	1.65	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.286		mg/kg dry	0.0331	1	EPA 7473	08/20/2018 09:08	08/20/2018 13:32	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.7		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB-6 (10'-12')

York Sample ID: 18H0563-11

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:25 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 11:33	08/16/2018 11:33	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 11:33	08/16/2018 11:33	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.063	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
78-93-3	2-Butanone	0.021		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL



Sample Information

Client Sample ID: SB-6 (10'-12')

York Sample ID: 18H0563-11

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:25 pm

Date Received
08/13/2018

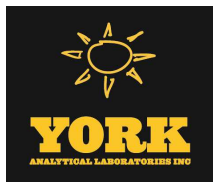
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.14		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL



Sample Information

Client Sample ID: SB-6 (10'-12')

York Sample ID: 18H0563-11

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 12:25 pm

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
100-42-5	Styrene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-65-0	tert-Butyl alcohol (TBA)	0.010		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
108-88-3	Toluene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH	08/16/2018 11:33	08/16/2018 11:33	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0094	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 11:33	08/16/2018 11:33	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.1 %	77-125								



Sample Information

Client Sample ID: SB-6 (10'-12')

York Sample ID: 18H0563-11

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:25 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	96.5 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	105 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR



Sample Information

Client Sample ID: SB-6 (10'-12')

York Sample ID: 18H0563-11

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:25 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
62-53-3	Aniline	ND		mg/kg dry	0.210	0.420	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
92-87-5	Benzidine	ND		mg/kg dry	0.210	0.420	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
56-55-3	Benzo(a)anthracene	0.143		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
50-32-8	Benzo(a)pyrene	0.165		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
205-99-2	Benzo(b)fluoranthene	0.139		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR



Sample Information

Client Sample ID: SB-6 (10'-12')

York Sample ID: 18H0563-11

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:25 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	0.104	J	mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
207-08-9	Benzo(k)fluoranthene	0.153		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.225		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
218-01-9	Chrysene	0.160		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
206-44-0	Fluoranthene	0.328		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR



Sample Information

Client Sample ID: SB-6 (10'-12')

York Sample ID: 18H0563-11

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:25 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.0880	J	mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
85-01-8	Phenanthrene	0.238		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
108-95-2	Phenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
129-00-0	Pyrene	0.286		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	62.1 %	20-108								
4165-62-2	Surrogate: Phenol-d5	65.2 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	79.4 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	65.0 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	38.0 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	80.6 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB



Sample Information

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York Sample ID: 18H0563-11

York Project (SDG) No.
18H0563

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Matrix
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Collection Date/Time
August 10, 2018 12:25 pm

Date Received
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 23:51	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 23:51	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 23:51	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.0104	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.105	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	65.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	72.6 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-6 (10'-12')

York Sample ID: 18H0563-11

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:25 pm

Date Received
08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:28	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:28	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:28	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:28	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:28	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:28	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:28	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 18:28	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	66.8 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	63.7 %	30-140							

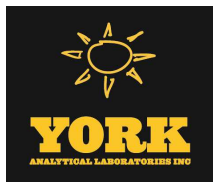
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	23400	B	mg/kg dry	6.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-36-0	Antimony	4.71		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-38-2	Arsenic	7.07		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-39-3	Barium	879		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.126	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-43-9	Cadmium	1.08		mg/kg dry	0.377	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-70-2	Calcium	16700		mg/kg dry	6.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-47-3	Chromium	58.1		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-48-4	Cobalt	26.4		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML



Sample Information

Client Sample ID: SB-6 (10'-12')

York Sample ID: 18H0563-11

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 12:25 pm

Date Received

08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	43.9		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7439-89-6	Iron	45400		mg/kg dry	2.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7439-92-1	Lead	92.2		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7439-95-4	Magnesium	14100		mg/kg dry	6.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7439-96-5	Manganese	650		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-02-0	Nickel	47.2		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-09-7	Potassium	15000		mg/kg dry	6.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7782-49-2	Selenium	ND		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-22-4	Silver	ND		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-23-5	Sodium	424	B	mg/kg dry	12.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-28-0	Thallium	ND		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-62-2	Vanadium	73.3		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-66-6	Zinc	232		mg/kg dry	1.89	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0860		mg/kg dry	0.0377	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/20/2018 09:08	08/20/2018 14:00	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	79.5		%	0.100	1	SM 2540G Certifications: CTDOH	08/17/2018 10:26	08/17/2018 16:13	TAJ



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 12:03	08/16/2018 12:03	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 12:03	08/16/2018 12:03	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

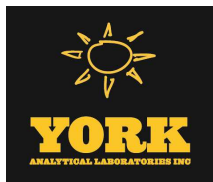
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.036		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 2:15 pm

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-65-0	tert-Butyl alcohol (TBA)	0.0065		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH	08/16/2018 12:03	08/16/2018 12:03	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 12:03	08/16/2018 12:03	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	89.4 %	77-125								



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	100 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	104 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	0.0588	J	mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	0.139		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
83-32-9	Acenaphthene	1.34		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
208-96-8	Acenaphthylene	0.100		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
62-53-3	Aniline	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
120-12-7	Anthracene	3.22		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 14:16	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
56-55-3	Benzo(a)anthracene	5.77		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 14:16	SR
50-32-8	Benzo(a)pyrene	5.64		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 14:16	SR
205-99-2	Benzo(b)fluoranthene	4.48		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 14:16	SR



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	2.89		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
207-08-9	Benzo(k)fluoranthene	4.59		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 14:16	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
86-74-8	Carbazole	1.19		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
218-01-9	Chrysene	6.09		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 14:16	SR
53-70-3	Dibenzo(a,h)anthracene	1.09		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
132-64-9	Dibenzofuran	0.576		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
206-44-0	Fluoranthene	14.6		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 14:16	SR
86-73-7	Fluorene	1.20		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
193-39-5	Indeno(1,2,3-cd)pyrene	2.84		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
91-20-3	Naphthalene	0.370		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
85-01-8	Phenanthrene	12.5		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 14:16	SR
108-95-2	Phenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
129-00-0	Pyrene	12.4		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 14:16	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	58.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	62.5 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	65.9 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	60.7 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	55.6 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	66.2 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
72-55-9	4,4'-DDE	0.00241		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
50-29-3	4,4'-DDT	0.0114		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/17/2018 14:38	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0358	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
60-57-1	Dieldrin	0.00381		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/17/2018 14:38	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
53494-70-5	Endrin ketone	0.00763		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/17/2018 14:38	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00895	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0906	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	45.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	43.8 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:53	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:53	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:53	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:53	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:53	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:53	LAB
11096-82-5	Aroclor 1260	0.109		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:53	LAB
1336-36-3	* Total PCBs	0.109		mg/kg dry	0.0181	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 18:53	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	55.9 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	53.7 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8210	B	mg/kg dry	5.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-36-0	Antimony	1.77		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-38-2	Arsenic	6.33		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-39-3	Barium	179		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-43-9	Cadmium	0.574		mg/kg dry	0.327	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-70-2	Calcium	23200		mg/kg dry	5.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-47-3	Chromium	19.0		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-48-4	Cobalt	8.52		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	103		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7439-89-6	Iron	19600		mg/kg dry	2.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7439-92-1	Lead	358		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7439-95-4	Magnesium	5600		mg/kg dry	5.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7439-96-5	Manganese	299		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-02-0	Nickel	20.9		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-09-7	Potassium	2010		mg/kg dry	5.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7782-49-2	Selenium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-22-4	Silver	ND		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-23-5	Sodium	572	B	mg/kg dry	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-62-2	Vanadium	26.4		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-66-6	Zinc	253		mg/kg dry	1.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.694		mg/kg dry	0.0327	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/20/2018 09:08	08/20/2018 14:09	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.8		%	0.100	1	SM 2540G Certifications: CTDOH	08/17/2018 10:26	08/17/2018 16:13	TAJ



Sample Information

Client Sample ID: SB-7 (10'-12')

York Sample ID: 18H0563-13

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

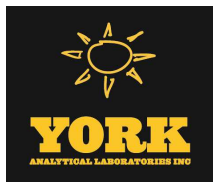
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 12:33	08/16/2018 12:33	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 12:33	08/16/2018 12:33	LL
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
78-93-3	2-Butanone	0.0090		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL



Sample Information

Client Sample ID: SB-7 (10'-12')

York Sample ID: 18H0563-13

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 1:40 pm

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.099		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
71-43-2	Benzene	0.0029	J	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-15-0	Carbon disulfide	0.0039	J	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
110-82-7	Cyclohexane	0.023		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
87-68-3	Hexachlorobutadiene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
98-82-8	Isopropylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL



Sample Information

Client Sample ID: SB-7 (10'-12')

York Sample ID: 18H0563-13

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
108-87-2	Methylcyclohexane	0.058		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
104-51-8	n-Butylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
103-65-1	n-Propylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
135-98-8	sec-Butylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-65-0	tert-Butyl alcohol (TBA)	0.010		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
98-06-6	tert-Butylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH	08/16/2018 12:33	08/16/2018 12:33	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 12:33	08/16/2018 12:33	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.3 %	77-125								



Sample Information

Client Sample ID: SB-7 (10'-12')

York Sample ID: 18H0563-13

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	135 %	S-08		85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	129 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR



Sample Information

Client Sample ID: SB-7 (10'-12')

York Sample ID: 18H0563-13

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
83-32-9	Acenaphthene	0.0998		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
208-96-8	Acenaphthylene	0.0685	J	mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
62-53-3	Aniline	ND		mg/kg dry	0.182	0.365	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
120-12-7	Anthracene	0.299		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.365	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
56-55-3	Benzo(a)anthracene	1.10		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
50-32-8	Benzo(a)pyrene	1.32		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
205-99-2	Benzo(b)fluoranthene	0.924		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR



Sample Information

Client Sample ID: SB-7 (10'-12')

York Sample ID: 18H0563-13

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	0.653		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
207-08-9	Benzo(k)fluoranthene	0.928		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.263		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
218-01-9	Chrysene	1.21		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
53-70-3	Dibenzo(a,h)anthracene	0.216		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
206-44-0	Fluoranthene	1.91		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
86-73-7	Fluorene	0.0845	J	mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR



Sample Information

Client Sample ID: SB-7 (10'-12')

York Sample ID: 18H0563-13

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.538		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
85-01-8	Phenanthrene	1.15		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
108-95-2	Phenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
129-00-0	Pyrene	2.26		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	52.6 %	20-108								
4165-62-2	Surrogate: Phenol-d5	53.4 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	60.9 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	54.6 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	43.4 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	65.1 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB



Sample Information

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York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/17/2018 14:23	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0358	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/17/2018 14:23	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/17/2018 14:23	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00896	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0907	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	39.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	37.2 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: SB-7 (10'-12')

York Sample ID: 18H0563-13

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:17	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:17	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:17	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:17	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:17	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:17	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:17	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 19:17	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	44.1 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	51.7 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7370	B	mg/kg dry	5.46	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-36-0	Antimony	4.44		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-38-2	Arsenic	6.39		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-39-3	Barium	104		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-43-9	Cadmium	0.642		mg/kg dry	0.328	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-70-2	Calcium	50400		mg/kg dry	5.46	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-47-3	Chromium	21.1		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-48-4	Cobalt	7.21		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML



Sample Information

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York Project (SDG) No.
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580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	98.6		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7439-89-6	Iron	22800		mg/kg dry	2.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7439-92-1	Lead	338		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7439-95-4	Magnesium	5110		mg/kg dry	5.46	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7439-96-5	Manganese	351		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-02-0	Nickel	17.9		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-09-7	Potassium	1620		mg/kg dry	5.46	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7782-49-2	Selenium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-22-4	Silver	ND		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-23-5	Sodium	462	B	mg/kg dry	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-62-2	Vanadium	21.1		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-66-6	Zinc	210		mg/kg dry	1.64	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.583		mg/kg dry	0.0328	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/20/2018 09:08	08/20/2018 14:22	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.5		%	0.100	1	SM 2540G Certifications: CTDOH	08/17/2018 10:26	08/17/2018 16:13	TAJ



Sample Information

Client Sample ID: SB-8 (0'-2')

York Sample ID: 18H0563-14

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:20 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 13:03	08/16/2018 13:03	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 13:03	08/16/2018 13:03	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL



Sample Information

Client Sample ID: SB-8 (0'-2')

York Sample ID: 18H0563-14

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:20 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.019		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL



Sample Information

Client Sample ID: SB-8 (0'-2')

York Sample ID: 18H0563-14

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:20 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-09-2	Methylene chloride	0.0079	J	mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
127-18-4	Tetrachloroethylene	0.014		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH	08/16/2018 13:03	08/16/2018 13:03	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 13:03	08/16/2018 13:03	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	89.1 %	77-125								



Sample Information

Client Sample ID: SB-8 (0'-2')

York Sample ID: 18H0563-14

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:20 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	106 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	117 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR



Sample Information

Client Sample ID: SB-8 (0'-2')

York Sample ID: 18H0563-14

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:20 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
208-96-8	Acenaphthylene	0.144		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
62-53-3	Aniline	ND		mg/kg dry	0.183	0.365	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
120-12-7	Anthracene	0.174		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
92-87-5	Benzidine	ND		mg/kg dry	0.183	0.365	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,PADEP	08/17/2018 03:18	SR
56-55-3	Benzo(a)anthracene	1.00		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
50-32-8	Benzo(a)pyrene	1.11		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
205-99-2	Benzo(b)fluoranthene	0.876		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR



Sample Information

Client Sample ID: SB-8 (0'-2')

York Sample ID: 18H0563-14

York Project (SDG) No.
18H0563

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580 Gerard Ave

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Collection Date/Time
August 10, 2018 4:20 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	0.543		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
207-08-9	Benzo(k)fluoranthene	0.918		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
218-01-9	Chrysene	0.982		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
53-70-3	Dibenzo(a,h)anthracene	0.215		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
206-44-0	Fluoranthene	1.65		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR



Sample Information

Client Sample ID: SB-8 (0'-2')

York Sample ID: 18H0563-14

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:20 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.532		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
85-01-8	Phenanthrene	0.351		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
108-95-2	Phenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
129-00-0	Pyrene	1.56		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	62.0 %	20-108								
4165-62-2	Surrogate: Phenol-d5	64.8 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	80.0 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	66.0 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	69.8 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	80.5 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.0591		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
72-55-9	4,4'-DDE	0.0562		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
50-29-3	4,4'-DDT	0.179		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB



Sample Information

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August 10, 2018 4:20 pm

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	0.00376		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/17/2018 13:53	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0360	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/17/2018 13:53	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/17/2018 13:53	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00901	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0911	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	40.4 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	38.8 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-8 (0'-2')

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York Project (SDG) No.
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August 10, 2018 4:20 pm

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Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:41	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:41	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:41	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:41	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:41	LAB
11097-69-1	Aroclor 1254	0.571		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:41	LAB
11096-82-5	Aroclor 1260	0.387		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:41	LAB
1336-36-3	* Total PCBs	0.958		mg/kg dry	0.0182	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 19:41	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	46.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	35.8 %	30-140							

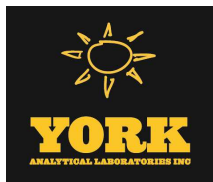
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	11700	B	mg/kg dry	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-36-0	Antimony	1.84		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-38-2	Arsenic	6.07		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-39-3	Barium	166		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-43-9	Cadmium	0.710		mg/kg dry	0.329	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-70-2	Calcium	24000		mg/kg dry	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-47-3	Chromium	21.3		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-48-4	Cobalt	15.6		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-50-8	Copper	39.4		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML



Sample Information

Client Sample ID: SB-8 (0'-2')

York Sample ID: 18H0563-14

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 4:20 pm

Date Received

08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	18400		mg/kg dry	2.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7439-92-1	Lead	225		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7439-95-4	Magnesium	7260		mg/kg dry	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7439-96-5	Manganese	834		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-02-0	Nickel	25.5		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-09-7	Potassium	2740		mg/kg dry	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7782-49-2	Selenium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-22-4	Silver	ND		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-23-5	Sodium	268	B	mg/kg dry	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-62-2	Vanadium	26.7		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-66-6	Zinc	554		mg/kg dry	1.65	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.71		mg/kg dry	0.0329	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/20/2018 09:08	08/20/2018 14:34	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.2		%	0.100	1	SM 2540G Certifications: CTDOH	08/17/2018 10:26	08/17/2018 16:13	TAJ



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:35 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/17/2018 11:18	08/17/2018 11:18	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/17/2018 11:18	08/17/2018 11:18	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
78-93-3	2-Butanone	0.0039	J	mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:35 pm

Date Received
08/13/2018

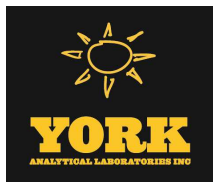
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.027		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 4:35 pm

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
127-18-4	Tetrachloroethylene	0.012		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH	08/17/2018 11:18	08/17/2018 11:18	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/17/2018 11:18	08/17/2018 11:18	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	92.3 %	77-125								



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:35 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	111 %			76-130						

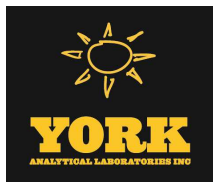
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

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Collection Date/Time

August 10, 2018 4:35 pm

Date Received

08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
83-32-9	Acenaphthene	0.0481	J	mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
62-53-3	Aniline	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
120-12-7	Anthracene	0.166		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
92-87-5	Benzidine	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
56-55-3	Benzo(a)anthracene	0.395		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
50-32-8	Benzo(a)pyrene	0.377		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
205-99-2	Benzo(b)fluoranthene	0.291		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:35 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	0.189		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
207-08-9	Benzo(k)fluoranthene	0.310		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.273		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
218-01-9	Chrysene	0.413		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
53-70-3	Dibenzo(a,h)anthracene	0.0637	J	mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
206-44-0	Fluoranthene	0.726		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
86-73-7	Fluorene	0.0502	J	mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR



Sample Information

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York Sample ID: 18H0563-15

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18H0563

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580 Gerard Ave

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Collection Date/Time
August 10, 2018 4:35 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.160		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
85-01-8	Phenanthrene	0.675		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
108-95-2	Phenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
129-00-0	Pyrene	0.786		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	51.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	50.8 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	58.6 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	56.9 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	53.4 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	78.6 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
50-29-3	4,4'-DDT	0.00248		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:35 pm

Date Received
08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/17/2018 00:06	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0349	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/17/2018 00:06	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
72-20-8	Endrin	0.00328		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/17/2018 00:06	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00873	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0884	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	58.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	47.0 %	30-150							

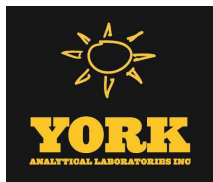
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		■		132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166		ClientServices@		



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 4:35 pm

Date Received

08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 20:05	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 20:05	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 20:05	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 20:05	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 20:05	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 20:05	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 20:05	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 20:05	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	43.1 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	43.8 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	12200	B	mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML
7440-36-0	Antimony	2.94		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML
7440-38-2	Arsenic	13.0		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML
7440-39-3	Barium	194		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML
7440-43-9	Cadmium	5.02		mg/kg dry	0.318	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML
7440-70-2	Calcium	35800		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML
7440-47-3	Chromium	27.8		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML
7440-48-4	Cobalt	13.6		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:35 pm

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	81.2		mg/kg dry	0.531	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	29000		mg/kg dry	2.12	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	273		mg/kg dry	0.531	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	7230		mg/kg dry	5.31	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	393		mg/kg dry	0.531	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	27.6		mg/kg dry	0.531	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	4510		mg/kg dry	5.31	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.06	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.531	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	435	B	mg/kg dry	10.6	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.06	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	31.2		mg/kg dry	1.06	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	2110		mg/kg dry	1.59	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.780		mg/kg dry	0.0318	1	EPA 7473	08/20/2018 09:08	08/20/2018 14:46	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.2		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Analytical Batch Summary

Batch ID: BH80723

Preparation Method: EPA 3050B

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18H0563-01	SB-1 (0'-2')	08/15/18
18H0563-02	SB-1 (21'-23')	08/15/18
18H0563-03	SB-2 (0'-2')	08/15/18
18H0563-04	SB-2 (21'-23')	08/15/18
18H0563-05	SB-3 (0'-2')	08/15/18
18H0563-06	SB-4 (0'-2')	08/15/18
18H0563-07	SB-4 (17'-19')	08/15/18
18H0563-08	SB-5 (0'-2')	08/15/18
BH80723-BLK1	Blank	08/15/18
BH80723-SRM1	Reference	08/15/18

Batch ID: BH80724

Preparation Method: EPA 3050B

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18H0563-09	SB-5 (10'-12')	08/15/18
18H0563-10	SB-6 (0'-2')	08/15/18
18H0563-11	SB-6 (10'-12')	08/15/18
18H0563-12	SB-7 (0'-2')	08/15/18
18H0563-13	SB-7 (10'-12')	08/15/18
18H0563-14	SB-8 (0'-2')	08/15/18
18H0563-15	SB-8 (17'-19')	08/15/18
BH80724-BLK1	Blank	08/15/18
BH80724-SRM1	Reference	08/15/18

Batch ID: BH80762

Preparation Method: EPA 3550C

Prepared By: MAT

YORK Sample ID	Client Sample ID	Preparation Date
18H0563-01	SB-1 (0'-2')	08/15/18
18H0563-01	SB-1 (0'-2')	08/15/18
18H0563-02	SB-1 (21'-23')	08/15/18
18H0563-02	SB-1 (21'-23')	08/15/18
18H0563-03	SB-2 (0'-2')	08/15/18
18H0563-03	SB-2 (0'-2')	08/15/18
18H0563-04	SB-2 (21'-23')	08/15/18
18H0563-04	SB-2 (21'-23')	08/15/18
18H0563-05	SB-3 (0'-2')	08/15/18
18H0563-05	SB-3 (0'-2')	08/15/18
18H0563-06	SB-4 (0'-2')	08/15/18
18H0563-06	SB-4 (0'-2')	08/15/18
18H0563-07	SB-4 (17'-19')	08/15/18
18H0563-07	SB-4 (17'-19')	08/15/18
18H0563-08	SB-5 (0'-2')	08/15/18
18H0563-08	SB-5 (0'-2')	08/15/18
18H0563-09	SB-5 (10'-12')	08/15/18
18H0563-09	SB-5 (10'-12')	08/15/18



18H0563-10	SB-6 (0'-2')	08/15/18
18H0563-10	SB-6 (0'-2')	08/15/18
18H0563-11	SB-6 (10'-12')	08/15/18
18H0563-11	SB-6 (10'-12')	08/15/18
18H0563-12	SB-7 (0'-2')	08/15/18
18H0563-12	SB-7 (0'-2')	08/15/18
18H0563-13	SB-7 (10'-12')	08/15/18
18H0563-13	SB-7 (10'-12')	08/15/18
18H0563-14	SB-8 (0'-2')	08/15/18
18H0563-14	SB-8 (0'-2')	08/15/18
18H0563-15	SB-8 (17'-19')	08/15/18
18H0563-15	SB-8 (17'-19')	08/15/18
BH80762-BLK1	Blank	08/15/18
BH80762-BLK2	Blank	08/15/18
BH80762-BS1	LCS	08/15/18
BH80762-BS2	LCS	08/15/18

Batch ID: BH80763 **Preparation Method:** EPA 3550C **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
18H0563-12	SB-7 (0'-2')	08/15/18
18H0563-12RE1	SB-7 (0'-2')	08/15/18
18H0563-13	SB-7 (10'-12')	08/15/18
18H0563-14	SB-8 (0'-2')	08/15/18
18H0563-15	SB-8 (17'-19')	08/15/18
BH80763-BLK1	Blank	08/15/18
BH80763-BS1	LCS	08/15/18
BH80763-MS1	Matrix Spike	08/15/18
BH80763-MSD1	Matrix Spike Dup	08/15/18

Batch ID: BH80799 **Preparation Method:** EPA 3550C **Prepared By:** SGM

YORK Sample ID	Client Sample ID	Preparation Date
18H0563-01	SB-1 (0'-2')	08/16/18
18H0563-02	SB-1 (21'-23')	08/16/18
18H0563-03	SB-2 (0'-2')	08/16/18
18H0563-04	SB-2 (21'-23')	08/16/18
18H0563-05	SB-3 (0'-2')	08/16/18
18H0563-06	SB-4 (0'-2')	08/16/18
18H0563-07	SB-4 (17'-19')	08/16/18
18H0563-08	SB-5 (0'-2')	08/16/18
18H0563-09	SB-5 (10'-12')	08/16/18
18H0563-10	SB-6 (0'-2')	08/16/18
18H0563-11	SB-6 (10'-12')	08/16/18
BH80799-BLK1	Blank	08/16/18
BH80799-BS1	LCS	08/16/18
BH80799-MS1	Matrix Spike	08/16/18
BH80799-MSD1	Matrix Spike Dup	08/16/18

Batch ID: BH80889 **Preparation Method:** % Solids Prep **Prepared By:** TAJ



YORK Sample ID	Client Sample ID	Preparation Date
18H0563-01	SB-1 (0'-2')	08/17/18
18H0563-02	SB-1 (21'-23')	08/17/18
18H0563-03	SB-2 (0'-2')	08/17/18
18H0563-04	SB-2 (21'-23')	08/17/18
18H0563-05	SB-3 (0'-2')	08/17/18
18H0563-06	SB-4 (0'-2')	08/17/18
18H0563-07	SB-4 (17'-19')	08/17/18
18H0563-08	SB-5 (0'-2')	08/17/18
18H0563-09	SB-5 (10'-12')	08/17/18
18H0563-10	SB-6 (0'-2')	08/17/18
18H0563-11	SB-6 (10'-12')	08/17/18
18H0563-12	SB-7 (0'-2')	08/17/18
18H0563-13	SB-7 (10'-12')	08/17/18
18H0563-14	SB-8 (0'-2')	08/17/18
18H0563-15	SB-8 (17'-19')	08/17/18

Batch ID: BH80900

Preparation Method: EPA 5035A

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
18H0563-01	SB-1 (0'-2')	08/16/18
18H0563-02	SB-1 (21'-23')	08/16/18
18H0563-03	SB-2 (0'-2')	08/16/18
18H0563-04	SB-2 (21'-23')	08/16/18
18H0563-05	SB-3 (0'-2')	08/16/18
18H0563-06	SB-4 (0'-2')	08/16/18
18H0563-07	SB-4 (17'-19')	08/16/18
18H0563-08	SB-5 (0'-2')	08/16/18
18H0563-09	SB-5 (10'-12')	08/16/18
18H0563-10	SB-6 (0'-2')	08/16/18
18H0563-11	SB-6 (10'-12')	08/16/18
18H0563-12	SB-7 (0'-2')	08/16/18
18H0563-13	SB-7 (10'-12')	08/16/18
18H0563-14	SB-8 (0'-2')	08/16/18
BH80900-BLK1	Blank	08/16/18
BH80900-BS1	LCS	08/16/18
BH80900-BSD1	LCS Dup	08/16/18

Batch ID: BH80935

Preparation Method: EPA 7473 soil

Prepared By: KML

YORK Sample ID	Client Sample ID	Preparation Date
18H0563-01	SB-1 (0'-2')	08/20/18
18H0563-02	SB-1 (21'-23')	08/20/18
18H0563-03	SB-2 (0'-2')	08/20/18
18H0563-04	SB-2 (21'-23')	08/20/18
18H0563-05	SB-3 (0'-2')	08/20/18
18H0563-06	SB-4 (0'-2')	08/20/18
18H0563-07	SB-4 (17'-19')	08/20/18
18H0563-08	SB-5 (0'-2')	08/20/18
18H0563-09	SB-5 (10'-12')	08/20/18
18H0563-10	SB-6 (0'-2')	08/20/18



18H0563-11	SB-6 (10'-12')	08/20/18
18H0563-12	SB-7 (0'-2')	08/20/18
18H0563-13	SB-7 (10'-12')	08/20/18
18H0563-14	SB-8 (0'-2')	08/20/18
18H0563-15	SB-8 (17'-19')	08/20/18
BH80935-BLK1	Blank	08/20/18
BH80935-SRM1	Reference	08/20/18

Batch ID: BH80979 **Preparation Method:** EPA 5035A **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
18H0563-15	SB-8 (17'-19')	08/17/18
BH80979-BLK1	Blank	08/17/18
BH80979-BS1	LCS	08/17/18
BH80979-BSD1	LCS Dup	08/17/18



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80900 - EPA 5035A											
Blank (BH80900-BLK1)										Prepared & Analyzed: 08/16/2018	
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80900 - EPA 5035A

Blank (BH80900-BLK1)

Prepared & Analyzed: 08/16/2018

n-Butylbenzene	ND	0.0050	mg/kg wet
n-Propylbenzene	ND	0.0050	"
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
trans-1,4-dichloro-2-butene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: 1,2-Dichloroethane-d4	41.2	ug/L	50.0	82.5	77-125
Surrogate: Toluene-d8	48.9	"	50.0	97.8	85-120
Surrogate: p-Bromofluorobenzene	52.5	"	50.0	105	76-130

LCS (BH80900-BS1)

Prepared & Analyzed: 08/16/2018

1,1,1,2-Tetrachloroethane	52	ug/L	50.0	105	75-129
1,1,1-Trichloroethane	45	"	50.0	90.4	71-137
1,1,2,2-Tetrachloroethane	57	"	50.0	115	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	42	"	50.0	84.7	58-146
1,1,2-Trichloroethane	50	"	50.0	101	83-123
1,1-Dichloroethane	45	"	50.0	90.3	75-130
1,1-Dichloroethylene	41	"	50.0	82.3	64-137
1,2,3-Trichlorobenzene	57	"	50.0	113	81-140
1,2,3-Trichloropropane	56	"	50.0	112	81-126
1,2,4-Trichlorobenzene	57	"	50.0	115	80-141
1,2,4-Trimethylbenzene	55	"	50.0	110	84-125
1,2-Dibromo-3-chloropropane	58	"	50.0	117	74-142
1,2-Dibromoethane	53	"	50.0	105	86-123
1,2-Dichlorobenzene	53	"	50.0	106	85-122
1,2-Dichloroethane	41	"	50.0	81.4	71-133
1,2-Dichloropropane	50	"	50.0	100	81-122
1,3,5-Trimethylbenzene	54	"	50.0	108	82-126
1,3-Dichlorobenzene	54	"	50.0	108	84-124
1,4-Dichlorobenzene	55	"	50.0	109	84-124
1,4-Dioxane	370	"	1050	35.6	10-228
2-Butanone	48	"	50.0	95.6	58-147
2-Hexanone	50	"	50.0	99.3	70-139
4-Methyl-2-pentanone	36	"	50.0	72.4	72-132
Acetone	32	"	50.0	63.6	36-155
Acrolein	30	"	50.0	59.4	10-238
Acrylonitrile	45	"	50.0	89.3	66-141
Benzene	47	"	50.0	93.6	77-127
Bromochloromethane	46	"	50.0	91.6	74-129



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80900 - EPA 5035A

LCS (BH80900-BS1)

Prepared & Analyzed: 08/16/2018

Bromodichloromethane	50		ug/L	50.0		99.6	81-124				
Bromoform	58		"	50.0		116	80-136				
Bromomethane	23		"	50.0		45.2	32-177				
Carbon disulfide	43		"	50.0		85.1	10-136				
Carbon tetrachloride	46		"	50.0		92.4	66-143				
Chlorobenzene	50		"	50.0		100	86-120				
Chloroethane	23		"	50.0		46.8	51-142	Low Bias			
Chloroform	45		"	50.0		90.6	76-131				
Chloromethane	27		"	50.0		53.1	49-132				
cis-1,2-Dichloroethylene	45		"	50.0		90.7	74-132				
cis-1,3-Dichloropropylene	52		"	50.0		104	81-129				
Cyclohexane	40		"	50.0		79.8	70-130				
Dibromochloromethane	51		"	50.0		102	10-200				
Dibromomethane	48		"	50.0		95.7	83-124				
Dichlorodifluoromethane	54		"	50.0		108	28-158				
Ethyl Benzene	50		"	50.0		100	84-125				
Hexachlorobutadiene	56		"	50.0		111	83-133				
Isopropylbenzene	54		"	50.0		109	81-127				
Methyl acetate	40		"	50.0		80.6	41-143				
Methyl tert-butyl ether (MTBE)	43		"	50.0		86.8	74-131				
Methylcyclohexane	50		"	50.0		100	70-130				
Methylene chloride	42		"	50.0		84.2	57-141				
n-Butylbenzene	52		"	50.0		105	80-130				
n-Propylbenzene	55		"	50.0		109	74-136				
o-Xylene	49		"	50.0		97.6	83-123				
p- & m- Xylenes	94		"	100		93.6	82-128				
p-Isopropyltoluene	55		"	50.0		110	85-125				
sec-Butylbenzene	57		"	50.0		114	83-125				
Styrene	48		"	50.0		96.8	86-126				
tert-Butyl alcohol (TBA)	190		"	250		77.3	70-130				
tert-Butylbenzene	49		"	50.0		98.6	80-127				
Tetrachloroethylene	39		"	50.0		78.0	80-129	Low Bias			
Toluene	49		"	50.0		97.6	85-121				
trans-1,2-Dichloroethylene	43		"	50.0		86.0	72-132				
trans-1,3-Dichloropropylene	51		"	50.0		101	78-132				
trans-1,4-dichloro-2-butene	57		"	50.0		115	75-135				
Trichloroethylene	51		"	50.0		103	84-123				
Trichlorofluoromethane	24		"	50.0		48.1	62-140	Low Bias			
Vinyl Chloride	25		"	50.0		49.9	52-130	Low Bias			
Surrogate: 1,2-Dichloroethane-d4	42.8		"	50.0		85.7	77-125				
Surrogate: Toluene-d8	48.9		"	50.0		97.7	85-120				
Surrogate: p-Bromofluorobenzene	55.5		"	50.0		111	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80900 - EPA 5035A											
LCS Dup (BH80900-BSD1)						Prepared & Analyzed: 08/16/2018					
1,1,1,2-Tetrachloroethane	50		ug/L	50.0		100	75-129		4.46	30	
1,1,1-Trichloroethane	44		"	50.0		87.4	71-137		3.37	30	
1,1,2,2-Tetrachloroethane	55		"	50.0		109	79-129		5.11	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	39		"	50.0		77.1	58-146		9.40	30	
1,1,2-Trichloroethane	49		"	50.0		97.9	83-123		3.06	30	
1,1-Dichloroethane	43		"	50.0		85.8	75-130		5.02	30	
1,1-Dichloroethylene	38		"	50.0		76.1	64-137		7.83	30	
1,2,3-Trichlorobenzene	53		"	50.0		107	81-140		6.07	30	
1,2,3-Trichloropropane	54		"	50.0		108	81-126		4.18	30	
1,2,4-Trichlorobenzene	53		"	50.0		106	80-141		8.30	30	
1,2,4-Trimethylbenzene	51		"	50.0		102	84-125		7.43	30	
1,2-Dibromo-3-chloropropane	57		"	50.0		114	74-142		2.20	30	
1,2-Dibromoethane	51		"	50.0		102	86-123		2.96	30	
1,2-Dichlorobenzene	50		"	50.0		99.2	85-122		6.55	30	
1,2-Dichloroethane	41		"	50.0		81.4	71-133		0.0737	30	
1,2-Dichloropropane	47		"	50.0		93.8	81-122		6.54	30	
1,3,5-Trimethylbenzene	50		"	50.0		101	82-126		6.59	30	
1,3-Dichlorobenzene	51		"	50.0		102	84-124		5.42	30	
1,4-Dichlorobenzene	52		"	50.0		104	84-124		5.27	30	
1,4-Dioxane	360		"	1050		33.8	10-228		5.23	30	
2-Butanone	48		"	50.0		95.7	58-147		0.146	30	
2-Hexanone	50		"	50.0		100	70-139		0.883	30	
4-Methyl-2-pentanone	36		"	50.0		71.4	72-132	Low Bias	1.34	30	
Acetone	34		"	50.0		68.8	36-155		7.79	30	
Acrolein	28		"	50.0		56.1	10-238		5.82	30	
Acrylonitrile	45		"	50.0		89.6	66-141		0.380	30	
Benzene	45		"	50.0		90.3	77-127		3.57	30	
Bromochloromethane	44		"	50.0		88.1	74-129		3.96	30	
Bromodichloromethane	48		"	50.0		95.1	81-124		4.58	30	
Bromoform	55		"	50.0		110	80-136		4.89	30	
Bromomethane	24		"	50.0		47.8	32-177		5.42	30	
Carbon disulfide	41		"	50.0		81.8	10-136		3.95	30	
Carbon tetrachloride	44		"	50.0		87.2	66-143		5.79	30	
Chlorobenzene	48		"	50.0		96.3	86-120		3.99	30	
Chloroethane	23		"	50.0		45.5	51-142	Low Bias	2.78	30	
Chloroform	44		"	50.0		88.2	76-131		2.71	30	
Chloromethane	26		"	50.0		51.8	49-132		2.40	30	
cis-1,2-Dichloroethylene	44		"	50.0		87.9	74-132		3.16	30	
cis-1,3-Dichloropropylene	50		"	50.0		100	81-129		3.65	30	
Cyclohexane	38		"	50.0		76.2	70-130		4.64	30	
Dibromochloromethane	50		"	50.0		100	10-200		1.70	30	
Dibromomethane	46		"	50.0		91.6	83-124		4.36	30	
Dichlorodifluoromethane	51		"	50.0		102	28-158		5.13	30	
Ethyl Benzene	48		"	50.0		95.9	84-125		4.53	30	
Hexachlorobutadiene	50		"	50.0		101	83-133		9.86	30	
Isopropylbenzene	51		"	50.0		102	81-127		6.30	30	
Methyl acetate	42		"	50.0		83.0	41-143		2.96	30	
Methyl tert-butyl ether (MTBE)	42		"	50.0		84.8	74-131		2.31	30	
Methylcyclohexane	48		"	50.0		95.1	70-130		5.36	30	
Methylene chloride	41		"	50.0		82.9	57-141		1.56	30	
n-Butylbenzene	49		"	50.0		97.4	80-130		7.47	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80900 - EPA 5035A

LCS Dup (BH80900-BSD1)

Prepared & Analyzed: 08/16/2018

n-Propylbenzene	51		ug/L	50.0		101	74-136		7.47	30	
o-Xylene	47		"	50.0		94.0	83-123		3.76	30	
p- & m- Xylenes	91		"	100		90.7	82-128		3.16	30	
p-Isopropyltoluene	51		"	50.0		103	85-125		7.02	30	
sec-Butylbenzene	54		"	50.0		107	83-125		6.04	30	
Styrene	47		"	50.0		93.9	86-126		3.04	30	
tert-Butyl alcohol (TBA)	200		"	250		79.9	70-130		3.33	30	
tert-Butylbenzene	45		"	50.0		90.5	80-127		8.59	30	
Tetrachloroethylene	36		"	50.0		72.8	80-129	Low Bias	6.90	30	
Toluene	47		"	50.0		93.5	85-121		4.29	30	
trans-1,2-Dichloroethylene	41		"	50.0		81.8	72-132		5.03	30	
trans-1,3-Dichloropropylene	49		"	50.0		98.2	78-132		3.22	30	
trans-1,4-dichloro-2-butene	55		"	50.0		110	75-135		4.10	30	
Trichloroethylene	48		"	50.0		96.8	84-123		6.05	30	
Trichlorofluoromethane	23		"	50.0		46.3	62-140	Low Bias	3.82	30	
Vinyl Chloride	24		"	50.0		48.7	52-130	Low Bias	2.39	30	
Surrogate: 1,2-Dichloroethane-d4	42.8		"	50.0		85.5	77-125				
Surrogate: Toluene-d8	48.8		"	50.0		97.5	85-120				
Surrogate: p-Bromofluorobenzene	53.6		"	50.0		107	76-130				

Batch BH80979 - EPA 5035A

Blank (BH80979-BLK1)

Prepared & Analyzed: 08/17/2018

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	"
1,1,2,2-Tetrachloroethane	ND	0.0050	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"
1,1,2-Trichloroethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,1-Dichloroethylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4-Trichlorobenzene	ND	0.0050	"
1,2,4-Trimethylbenzene	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3,5-Trimethylbenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2-Butanone	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Methyl-2-pentanone	ND	0.0050	"
Acetone	ND	0.010	"
Acrolein	ND	0.010	"
Acrylonitrile	ND	0.0050	"
Benzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80979 - EPA 5035A

Blank (BH80979-BLK1)

Prepared & Analyzed: 08/17/2018

Bromodichloromethane	ND	0.0050	mg/kg wet								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: 1,2-Dichloroethane-d4	43.9		ug/L	50.0		87.8	77-125				
Surrogate: Toluene-d8	49.2		"	50.0		98.4	85-120				
Surrogate: p-Bromofluorobenzene	51.8		"	50.0		104	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80979 - EPA 5035A											
LCS (BH80979-BS1)						Prepared & Analyzed: 08/17/2018					
1,1,1,2-Tetrachloroethane	55		ug/L	50.0		109	75-129				
1,1,1-Trichloroethane	50		"	50.0		99.3	71-137				
1,1,2,2-Tetrachloroethane	58		"	50.0		117	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47		"	50.0		93.4	58-146				
1,1,2-Trichloroethane	53		"	50.0		107	83-123				
1,1-Dichloroethane	51		"	50.0		101	75-130				
1,1-Dichloroethylene	46		"	50.0		91.7	64-137				
1,2,3-Trichlorobenzene	59		"	50.0		117	81-140				
1,2,3-Trichloropropane	58		"	50.0		116	81-126				
1,2,4-Trichlorobenzene	57		"	50.0		114	80-141				
1,2,4-Trimethylbenzene	55		"	50.0		111	84-125				
1,2-Dibromo-3-chloropropane	61		"	50.0		121	74-142				
1,2-Dibromoethane	55		"	50.0		109	86-123				
1,2-Dichlorobenzene	54		"	50.0		107	85-122				
1,2-Dichloroethane	46		"	50.0		92.4	71-133				
1,2-Dichloropropane	53		"	50.0		106	81-122				
1,3,5-Trimethylbenzene	54		"	50.0		107	82-126				
1,3-Dichlorobenzene	54		"	50.0		108	84-124				
1,4-Dichlorobenzene	55		"	50.0		111	84-124				
1,4-Dioxane	400		"	1050		38.2	10-228				
2-Butanone	56		"	50.0		113	58-147				
2-Hexanone	53		"	50.0		107	70-139				
4-Methyl-2-pentanone	38		"	50.0		76.4	72-132				
Acetone	42		"	50.0		84.7	36-155				
Acrolein	32		"	50.0		63.1	10-238				
Acrylonitrile	56		"	50.0		112	66-141				
Benzene	51		"	50.0		102	77-127				
Bromochloromethane	52		"	50.0		104	74-129				
Bromodichloromethane	53		"	50.0		105	81-124				
Bromoform	62		"	50.0		123	80-136				
Bromomethane	25		"	50.0		50.7	32-177				
Carbon disulfide	48		"	50.0		96.6	10-136				
Carbon tetrachloride	49		"	50.0		98.8	66-143				
Chlorobenzene	51		"	50.0		103	86-120				
Chloroethane	27		"	50.0		53.4	51-142				
Chloroform	51		"	50.0		102	76-131				
Chloromethane	30		"	50.0		60.5	49-132				
cis-1,2-Dichloroethylene	51		"	50.0		103	74-132				
cis-1,3-Dichloropropylene	53		"	50.0		105	81-129				
Cyclohexane	44		"	50.0		87.7	70-130				
Dibromochloromethane	54		"	50.0		109	10-200				
Dibromomethane	52		"	50.0		104	83-124				
Dichlorodifluoromethane	57		"	50.0		114	28-158				
Ethyl Benzene	51		"	50.0		103	84-125				
Hexachlorobutadiene	56		"	50.0		112	83-133				
Isopropylbenzene	54		"	50.0		109	81-127				
Methyl acetate	53		"	50.0		105	41-143				
Methyl tert-butyl ether (MTBE)	50		"	50.0		99.1	74-131				
Methylcyclohexane	52		"	50.0		104	70-130				
Methylene chloride	49		"	50.0		97.6	57-141				
n-Butylbenzene	52		"	50.0		103	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80979 - EPA 5035A

LCS (BH80979-BS1)

Prepared & Analyzed: 08/17/2018

n-Propylbenzene	54		ug/L	50.0		108	74-136				
o-Xylene	51		"	50.0		101	83-123				
p- & m- Xylenes	97		"	100		96.9	82-128				
p-Isopropyltoluene	55		"	50.0		109	85-125				
sec-Butylbenzene	58		"	50.0		116	83-125				
Styrene	50		"	50.0		101	86-126				
tert-Butyl alcohol (TBA)	240		"	250		95.0	70-130				
tert-Butylbenzene	50		"	50.0		99.5	80-127				
Tetrachloroethylene	39		"	50.0		77.6	80-129	Low Bias			
Toluene	51		"	50.0		102	85-121				
trans-1,2-Dichloroethylene	48		"	50.0		95.9	72-132				
trans-1,3-Dichloropropylene	51		"	50.0		102	78-132				
trans-1,4-dichloro-2-butene	56		"	50.0		111	75-135				
Trichloroethylene	53		"	50.0		107	84-123				
Trichlorofluoromethane	26		"	50.0		51.9	62-140	Low Bias			
Vinyl Chloride	30		"	50.0		59.1	52-130				
Surrogate: 1,2-Dichloroethane-d4	43.9		"	50.0		87.8	77-125				
Surrogate: Toluene-d8	48.6		"	50.0		97.3	85-120				
Surrogate: p-Bromofluorobenzene	52.6		"	50.0		105	76-130				

LCS Dup (BH80979-BSD1)

Prepared & Analyzed: 08/17/2018

1,1,1,2-Tetrachloroethane	54		ug/L	50.0		108	75-129		1.66	30	
1,1,1-Trichloroethane	49		"	50.0		97.8	71-137		1.46	30	
1,1,2,2-Tetrachloroethane	59		"	50.0		117	79-129		0.274	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45		"	50.0		90.9	58-146		2.65	30	
1,1,2-Trichloroethane	52		"	50.0		104	83-123		3.19	30	
1,1-Dichloroethane	49		"	50.0		98.0	75-130		3.03	30	
1,1-Dichloroethylene	44		"	50.0		88.6	64-137		3.44	30	
1,2,3-Trichlorobenzene	55		"	50.0		110	81-140		6.20	30	
1,2,3-Trichloropropane	58		"	50.0		117	81-126		0.946	30	
1,2,4-Trichlorobenzene	52		"	50.0		103	80-141		9.45	30	
1,2,4-Trimethylbenzene	54		"	50.0		108	84-125		2.34	30	
1,2-Dibromo-3-chloropropane	57		"	50.0		114	74-142		6.18	30	
1,2-Dibromoethane	53		"	50.0		107	86-123		1.98	30	
1,2-Dichlorobenzene	52		"	50.0		104	85-122		2.89	30	
1,2-Dichloroethane	44		"	50.0		88.7	71-133		4.11	30	
1,2-Dichloropropane	52		"	50.0		104	81-122		1.03	30	
1,3,5-Trimethylbenzene	53		"	50.0		105	82-126		2.15	30	
1,3-Dichlorobenzene	53		"	50.0		105	84-124		2.87	30	
1,4-Dichlorobenzene	53		"	50.0		106	84-124		4.77	30	
1,4-Dioxane	360		"	1050		33.8	10-228		12.1	30	
2-Butanone	54		"	50.0		108	58-147		4.17	30	
2-Hexanone	51		"	50.0		102	70-139		4.84	30	
4-Methyl-2-pentanone	37		"	50.0		73.3	72-132		4.11	30	
Acetone	43		"	50.0		86.4	36-155		2.01	30	
Acrolein	27		"	50.0		54.8	10-238		14.1	30	
Acrylonitrile	50		"	50.0		99.8	66-141		11.9	30	
Benzene	50		"	50.0		100	77-127		1.92	30	
Bromochloromethane	50		"	50.0		101	74-129		2.68	30	
Bromodichloromethane	52		"	50.0		104	81-124		0.934	30	
Bromoform	59		"	50.0		118	80-136		4.24	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80979 - EPA 5035A

LCS Dup (BH80979-BSD1)

Prepared & Analyzed: 08/17/2018

Bromomethane	23		ug/L	50.0		46.5	32-177		8.68	30	
Carbon disulfide	48		"	50.0		95.1	10-136		1.56	30	
Carbon tetrachloride	49		"	50.0		97.1	66-143		1.74	30	
Chlorobenzene	50		"	50.0		101	86-120		1.89	30	
Chloroethane	27		"	50.0		54.8	51-142		2.48	30	
Chloroform	49		"	50.0		97.1	76-131		4.67	30	
Chloromethane	30		"	50.0		59.4	49-132		1.94	30	
cis-1,2-Dichloroethylene	50		"	50.0		101	74-132		2.24	30	
cis-1,3-Dichloropropylene	51		"	50.0		102	81-129		2.82	30	
Cyclohexane	43		"	50.0		85.7	70-130		2.28	30	
Dibromochloromethane	53		"	50.0		107	10-200		1.69	30	
Dibromomethane	51		"	50.0		102	83-124		1.05	30	
Dichlorodifluoromethane	56		"	50.0		112	28-158		2.00	30	
Ethyl Benzene	51		"	50.0		102	84-125		0.156	30	
Hexachlorobutadiene	56		"	50.0		112	83-133		0.161	30	
Isopropylbenzene	55		"	50.0		109	81-127		0.110	30	
Methyl acetate	49		"	50.0		98.4	41-143		6.63	30	
Methyl tert-butyl ether (MTBE)	47		"	50.0		94.7	74-131		4.50	30	
Methylcyclohexane	52		"	50.0		104	70-130		0.0959	30	
Methylene chloride	49		"	50.0		98.8	57-141		1.20	30	
n-Butylbenzene	50		"	50.0		99.6	80-130		3.69	30	
n-Propylbenzene	54		"	50.0		107	74-136		1.02	30	
o-Xylene	50		"	50.0		99.6	83-123		1.53	30	
p- & m- Xylenes	96		"	100		96.0	82-128		0.943	30	
p-Isopropyltoluene	54		"	50.0		108	85-125		0.900	30	
sec-Butylbenzene	58		"	50.0		115	83-125		0.778	30	
Styrene	49		"	50.0		98.7	86-126		1.97	30	
tert-Butyl alcohol (TBA)	230		"	250		92.2	70-130		3.07	30	
tert-Butylbenzene	50		"	50.0		100	80-127		0.481	30	
Tetrachloroethylene	38		"	50.0		76.7	80-129	Low Bias	1.22	30	
Toluene	51		"	50.0		101	85-121		0.551	30	
trans-1,2-Dichloroethylene	47		"	50.0		93.6	72-132		2.36	30	
trans-1,3-Dichloropropylene	50		"	50.0		101	78-132		1.67	30	
trans-1,4-dichloro-2-butene	55		"	50.0		109	75-135		1.89	30	
Trichloroethylene	54		"	50.0		108	84-123		0.616	30	
Trichlorofluoromethane	26		"	50.0		51.2	62-140	Low Bias	1.32	30	
Vinyl Chloride	29		"	50.0		57.4	52-130		2.88	30	
Surrogate: 1,2-Dichloroethane-d4	42.9		"	50.0		85.8	77-125				
Surrogate: Toluene-d8	49.1		"	50.0		98.1	85-120				
Surrogate: p-Bromofluorobenzene	53.8		"	50.0		108	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80763 - EPA 3550C

Blank (BH80763-BLK1)

Prepared: 08/15/2018 Analyzed: 08/16/2018

1,1-Biphenyl	ND	0.0417	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"
1,2,4-Trichlorobenzene	ND	0.0417	"
1,2-Dichlorobenzene	ND	0.0417	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"
1,3-Dichlorobenzene	ND	0.0417	"
1,4-Dichlorobenzene	ND	0.0417	"
2,3,4,6-Tetrachlorophenol	ND	0.0833	"
2,4,5-Trichlorophenol	ND	0.0417	"
2,4,6-Trichlorophenol	ND	0.0417	"
2,4-Dichlorophenol	ND	0.0417	"
2,4-Dimethylphenol	ND	0.0417	"
2,4-Dinitrophenol	ND	0.0833	"
2,4-Dinitrotoluene	ND	0.0417	"
2,6-Dinitrotoluene	ND	0.0417	"
2-Chloronaphthalene	ND	0.0417	"
2-Chlorophenol	ND	0.0417	"
2-Methylnaphthalene	ND	0.0417	"
2-Methylphenol	ND	0.0417	"
2-Nitroaniline	ND	0.0833	"
2-Nitrophenol	ND	0.0417	"
3- & 4-Methylphenols	ND	0.0417	"
3,3-Dichlorobenzidine	ND	0.0417	"
3-Nitroaniline	ND	0.0833	"
4,6-Dinitro-2-methylphenol	ND	0.0833	"
4-Bromophenyl phenyl ether	ND	0.0417	"
4-Chloro-3-methylphenol	ND	0.0417	"
4-Chloroaniline	ND	0.0417	"
4-Chlorophenyl phenyl ether	ND	0.0417	"
4-Nitroaniline	ND	0.0833	"
4-Nitrophenol	ND	0.0833	"
Acenaphthene	ND	0.0417	"
Acenaphthylene	ND	0.0417	"
Acetophenone	ND	0.0417	"
Aniline	ND	0.167	"
Anthracene	ND	0.0417	"
Atrazine	ND	0.0417	"
Benzaldehyde	ND	0.0417	"
Benzidine	ND	0.167	"
Benzo(a)anthracene	ND	0.0417	"
Benzo(a)pyrene	ND	0.0417	"
Benzo(b)fluoranthene	ND	0.0417	"
Benzo(g,h,i)perylene	ND	0.0417	"
Benzo(k)fluoranthene	ND	0.0417	"
Benzoic acid	ND	0.0417	"
Benzyl alcohol	ND	0.0417	"
Benzyl butyl phthalate	ND	0.0417	"
Bis(2-chloroethoxy)methane	ND	0.0417	"
Bis(2-chloroethyl)ether	ND	0.0417	"
Bis(2-chloroisopropyl)ether	ND	0.0417	"
Bis(2-ethylhexyl)phthalate	ND	0.0417	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80763 - EPA 3550C

Blank (BH80763-BLK1)

Prepared: 08/15/2018 Analyzed: 08/16/2018

Caprolactam	ND	0.0833	mg/kg wet								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Surrogate: 2-Fluorophenol	1.46		"	1.67		87.4	20-108				
Surrogate: Phenol-d5	1.35		"	1.67		81.2	23-114				
Surrogate: Nitrobenzene-d5	0.725		"	0.833		87.0	22-108				
Surrogate: 2-Fluorobiphenyl	0.636		"	0.833		76.3	21-113				
Surrogate: 2,4,6-Tribromophenol	1.16		"	1.67		69.6	19-110				
Surrogate: Terphenyl-d14	0.708		"	0.833		85.0	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80763 - EPA 3550C											
LCS (BH80763-BS1)						Prepared: 08/15/2018 Analyzed: 08/16/2018					
1,1-Biphenyl	0.664	0.0417	mg/kg wet	0.833		79.7	22-103				
1,2,4,5-Tetrachlorobenzene	0.714	0.0833	"	0.833		85.6	10-144				
1,2,4-Trichlorobenzene	0.572	0.0417	"	0.833		68.7	23-130				
1,2-Dichlorobenzene	0.579	0.0417	"	0.833		69.4	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	0.749	0.0417	"	0.833		89.9	10-140				
1,3-Dichlorobenzene	0.590	0.0417	"	0.833		70.8	32-113				
1,4-Dichlorobenzene	0.597	0.0417	"	0.833		71.7	28-111				
2,3,4,6-Tetrachlorophenol	1.57	0.0833	"	0.833		189	30-130	High Bias			
2,4,5-Trichlorophenol	0.583	0.0417	"	0.833		70.0	14-138				
2,4,6-Trichlorophenol	0.572	0.0417	"	0.833		68.6	27-122				
2,4-Dichlorophenol	0.620	0.0417	"	0.833		74.4	23-133				
2,4-Dimethylphenol	0.678	0.0417	"	0.833		81.4	15-131				
2,4-Dinitrophenol	0.588	0.0833	"	0.833		70.5	10-149				
2,4-Dinitrotoluene	0.609	0.0417	"	0.833		73.0	30-123				
2,6-Dinitrotoluene	0.567	0.0417	"	0.833		68.0	30-125				
2-Chloronaphthalene	0.598	0.0417	"	0.833		71.7	22-115				
2-Chlorophenol	0.633	0.0417	"	0.833		76.0	25-121				
2-Methylnaphthalene	0.630	0.0417	"	0.833		75.6	16-127				
2-Methylphenol	0.565	0.0417	"	0.833		67.8	10-146				
2-Nitroaniline	0.594	0.0833	"	0.833		71.3	24-126				
2-Nitrophenol	0.587	0.0417	"	0.833		70.4	17-129				
3- & 4-Methylphenols	0.555	0.0417	"	0.833		66.6	20-109				
3,3-Dichlorobenzidine	0.402	0.0417	"	0.833		48.2	10-147				
3-Nitroaniline	0.538	0.0833	"	0.833		64.5	23-123				
4,6-Dinitro-2-methylphenol	0.595	0.0833	"	0.833		71.4	10-149				
4-Bromophenyl phenyl ether	0.629	0.0417	"	0.833		75.4	30-138				
4-Chloro-3-methylphenol	0.652	0.0417	"	0.833		78.3	16-138				
4-Chloroaniline	0.467	0.0417	"	0.833		56.1	10-117				
4-Chlorophenyl phenyl ether	0.599	0.0417	"	0.833		71.9	18-132				
4-Nitroaniline	0.581	0.0833	"	0.833		69.7	14-125				
4-Nitrophenol	0.661	0.0833	"	0.833		79.3	10-136				
Acenaphthene	0.597	0.0417	"	0.833		71.6	17-124				
Acenaphthylene	0.615	0.0417	"	0.833		73.8	16-124				
Acetophenone	0.651	0.0417	"	0.833		78.2	28-105				
Aniline	0.435	0.167	"	0.833		52.2	10-111				
Anthracene	0.640	0.0417	"	0.833		76.8	24-124				
Atrazine	0.662	0.0417	"	0.833		79.4	22-120				
Benzaldehyde	0.681	0.0417	"	0.833		81.7	21-100				
Benzo(a)anthracene	0.641	0.0417	"	0.833		77.0	25-134				
Benzo(a)pyrene	0.733	0.0417	"	0.833		88.0	29-144				
Benzo(b)fluoranthene	0.674	0.0417	"	0.833		80.9	20-151				
Benzo(g,h,i)perylene	0.650	0.0417	"	0.833		78.0	10-153				
Benzo(k)fluoranthene	0.693	0.0417	"	0.833		83.2	10-148				
Benzoic acid	0.203	0.0417	"	0.842		24.1	10-116				
Benzyl alcohol	0.719	0.0417	"	0.833		86.2	17-128				
Benzyl butyl phthalate	0.676	0.0417	"	0.833		81.1	10-132				
Bis(2-chloroethoxy)methane	0.586	0.0417	"	0.833		70.3	10-129				
Bis(2-chloroethyl)ether	0.657	0.0417	"	0.833		78.8	14-125				
Bis(2-chloroisopropyl)ether	0.844	0.0417	"	0.833		101	14-122				
Bis(2-ethylhexyl)phthalate	0.705	0.0417	"	0.833		84.6	10-141				
Caprolactam	0.620	0.0833	"	0.833		74.4	10-123				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80763 - EPA 3550C

LCS (BH80763-BS1)

Prepared: 08/15/2018 Analyzed: 08/16/2018

Carbazole	0.613	0.0417	mg/kg wet	0.833		73.6	31-120				
Chrysene	0.658	0.0417	"	0.833		79.0	24-116				
Dibenzo(a,h)anthracene	0.644	0.0417	"	0.833		77.3	17-147				
Dibenzofuran	0.606	0.0417	"	0.833		72.7	23-123				
Diethyl phthalate	0.617	0.0417	"	0.833		74.0	23-122				
Dimethyl phthalate	0.632	0.0417	"	0.833		75.8	28-127				
Di-n-butyl phthalate	0.623	0.0417	"	0.833		74.8	19-123				
Di-n-octyl phthalate	0.721	0.0417	"	0.833		86.5	10-132				
Fluoranthene	0.650	0.0417	"	0.833		78.0	36-125				
Fluorene	0.613	0.0417	"	0.833		73.6	16-130				
Hexachlorobenzene	0.720	0.0417	"	0.833		86.4	10-129				
Hexachlorobutadiene	0.598	0.0417	"	0.833		71.8	22-153				
Hexachlorocyclopentadiene	0.431	0.0417	"	0.833		51.7	10-134				
Hexachloroethane	0.628	0.0417	"	0.833		75.3	20-112				
Indeno(1,2,3-cd)pyrene	0.651	0.0417	"	0.833		78.2	10-155				
Isophorone	0.629	0.0417	"	0.833		75.5	14-131				
Naphthalene	0.630	0.0417	"	0.833		75.6	20-121				
Nitrobenzene	0.670	0.0417	"	0.833		80.4	20-121				
N-Nitrosodimethylamine	0.639	0.0417	"	0.833		76.7	10-124				
N-nitroso-di-n-propylamine	0.649	0.0417	"	0.833		77.9	21-119				
N-Nitrosodiphenylamine	0.733	0.0417	"	0.833		88.0	10-163				
Pentachlorophenol	0.431	0.0417	"	0.833		51.8	10-143				
Phenanthrene	0.635	0.0417	"	0.833		76.2	24-123				
Phenol	0.726	0.0417	"	0.833		87.1	15-123				
Pyrene	0.664	0.0417	"	0.833		79.6	24-132				
Surrogate: 2-Fluorophenol	1.32		"	1.67		78.9	20-108				
Surrogate: Phenol-d5	1.26		"	1.67		75.7	23-114				
Surrogate: Nitrobenzene-d5	0.698		"	0.833		83.8	22-108				
Surrogate: 2-Fluorobiphenyl	0.624		"	0.833		74.8	21-113				
Surrogate: 2,4,6-Tribromophenol	1.13		"	1.67		67.6	19-110				
Surrogate: Terphenyl-d14	0.697		"	0.833		83.6	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80763 - EPA 3550C											
Matrix Spike (BH80763-MS1)	*Source sample: 18H0563-15 (SB-8 (17'-19'))						Prepared: 08/15/2018 Analyzed: 08/16/2018				
1,1-Biphenyl	0.695	0.0885	mg/kg dry	0.884	ND	78.6	24-112				
1,2,4,5-Tetrachlorobenzene	0.728	0.177	"	0.884	ND	82.3	18-152				
1,2,4-Trichlorobenzene	0.592	0.0885	"	0.884	ND	67.0	15-139				
1,2-Dichlorobenzene	0.577	0.0885	"	0.884	ND	65.2	29-106				
1,2-Diphenylhydrazine (as Azobenzene)	0.799	0.0885	"	0.884	ND	90.4	10-135				
1,3-Dichlorobenzene	0.553	0.0885	"	0.884	ND	62.5	34-100				
1,4-Dichlorobenzene	0.535	0.0885	"	0.884	ND	60.5	26-107				
2,3,4,6-Tetrachlorophenol	0.884	0.177	"	0.884	ND	99.9	30-130				
2,4,5-Trichlorophenol	0.582	0.0885	"	0.884	ND	65.8	10-148				
2,4,6-Trichlorophenol	0.490	0.0885	"	0.884	ND	55.4	12-138				
2,4-Dichlorophenol	0.617	0.0885	"	0.884	ND	69.8	16-144				
2,4-Dimethylphenol	0.621	0.0885	"	0.884	ND	70.2	11-133				
2,4-Dinitrophenol	ND	0.177	"	0.884	ND		10-132	Low Bias			
2,4-Dinitrotoluene	0.584	0.0885	"	0.884	ND	66.1	42-113				
2,6-Dinitrotoluene	0.563	0.0885	"	0.884	ND	63.7	36-124				
2-Chloronaphthalene	0.621	0.0885	"	0.884	ND	70.2	31-116				
2-Chlorophenol	0.595	0.0885	"	0.884	ND	67.3	28-114				
2-Methylnaphthalene	0.668	0.0885	"	0.884	ND	75.5	10-143				
2-Methylphenol	0.552	0.0885	"	0.884	ND	62.4	10-160				
2-Nitroaniline	0.625	0.177	"	0.884	ND	70.7	33-122				
2-Nitrophenol	0.553	0.0885	"	0.884	ND	62.5	12-127				
3- & 4-Methylphenols	0.525	0.0885	"	0.884	ND	59.4	16-115				
3,3-Dichlorobenzidine	0.375	0.0885	"	0.884	ND	42.4	10-134				
3-Nitroaniline	0.524	0.177	"	0.884	ND	59.2	24-128				
4,6-Dinitro-2-methylphenol	ND	0.177	"	0.884	ND		10-149	Low Bias			
4-Bromophenyl phenyl ether	0.613	0.0885	"	0.884	ND	69.3	32-148				
4-Chloro-3-methylphenol	0.635	0.0885	"	0.884	ND	71.8	14-138				
4-Chloroaniline	0.445	0.0885	"	0.884	ND	50.3	10-124				
4-Chlorophenyl phenyl ether	0.594	0.0885	"	0.884	ND	67.1	10-153				
4-Nitroaniline	0.596	0.177	"	0.884	ND	67.4	10-151				
4-Nitrophenol	0.577	0.177	"	0.884	ND	65.2	10-141				
Acenaphthene	0.702	0.0885	"	0.884	0.0481	73.9	13-133				
Acenaphthylene	0.670	0.0885	"	0.884	ND	75.8	25-125				
Acetophenone	0.663	0.0885	"	0.884	ND	75.0	25-105				
Aniline	0.352	0.354	"	0.884	ND	39.8	10-112				
Anthracene	0.846	0.0885	"	0.884	0.166	76.9	27-128				
Atrazine	0.674	0.0885	"	0.884	ND	76.2	10-139				
Benzaldehyde	0.705	0.0885	"	0.884	ND	79.7	24-96				
Benzo(a)anthracene	1.13	0.0885	"	0.884	0.395	82.6	20-147				
Benzo(a)pyrene	1.24	0.0885	"	0.884	0.377	97.8	18-153				
Benzo(b)fluoranthene	1.08	0.0885	"	0.884	0.291	89.0	10-163				
Benzo(g,h,i)perylene	0.849	0.0885	"	0.884	0.189	74.6	10-157				
Benzo(k)fluoranthene	1.09	0.0885	"	0.884	0.310	87.9	10-157				
Benzoic acid	ND	0.0885	"	0.893	ND		10-130	Low Bias			
Benzyl alcohol	0.679	0.0885	"	0.884	ND	76.8	20-122				
Benzyl butyl phthalate	0.698	0.0885	"	0.884	ND	79.0	10-129				
Bis(2-chloroethoxy)methane	0.615	0.0885	"	0.884	ND	69.5	12-128				
Bis(2-chloroethyl)ether	0.640	0.0885	"	0.884	ND	72.3	18-113				
Bis(2-chloroisopropyl)ether	0.800	0.0885	"	0.884	ND	90.5	10-130				
Bis(2-ethylhexyl)phthalate	1.04	0.0885	"	0.884	0.273	86.6	10-138				
Caprolactam	0.653	0.177	"	0.884	ND	73.8	10-100				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80763 - EPA 3550C

Matrix Spike (BH80763-MS1)		*Source sample: 18H0563-15 (SB-8 (17'-19'))					Prepared: 08/15/2018 Analyzed: 08/16/2018				
Carbazole	0.630	0.0885	mg/kg dry	0.884	ND	71.2	24-139				
Chrysene	1.17	0.0885	"	0.884	0.413	85.2	18-133				
Dibenzo(a,h)anthracene	0.734	0.0885	"	0.884	0.0637	75.8	10-146				
Dibenzofuran	0.656	0.0885	"	0.884	ND	74.2	26-134				
Diethyl phthalate	0.630	0.0885	"	0.884	ND	71.3	30-119				
Dimethyl phthalate	0.626	0.0885	"	0.884	ND	70.8	34-120				
Di-n-butyl phthalate	0.621	0.0885	"	0.884	ND	70.2	20-128				
Di-n-octyl phthalate	0.811	0.0885	"	0.884	ND	91.7	10-133				
Fluoranthene	1.50	0.0885	"	0.884	0.726	88.1	10-155				
Fluorene	0.679	0.0885	"	0.884	0.0502	71.1	12-150				
Hexachlorobenzene	0.783	0.0885	"	0.884	ND	88.6	16-142				
Hexachlorobutadiene	0.579	0.0885	"	0.884	ND	65.4	11-150				
Hexachlorocyclopentadiene	0.192	0.0885	"	0.884	ND	21.8	10-115				
Hexachloroethane	0.613	0.0885	"	0.884	ND	69.4	14-106				
Indeno(1,2,3-cd)pyrene	0.816	0.0885	"	0.884	0.160	74.2	10-155				
Isophorone	0.636	0.0885	"	0.884	ND	71.9	14-127				
Naphthalene	0.677	0.0885	"	0.884	ND	76.6	15-132				
Nitrobenzene	0.681	0.0885	"	0.884	ND	77.0	18-125				
N-Nitrosodimethylamine	0.568	0.0885	"	0.884	ND	64.2	10-123				
N-nitroso-di-n-propylamine	0.611	0.0885	"	0.884	ND	69.1	23-115				
N-Nitrosodiphenylamine	0.932	0.0885	"	0.884	ND	105	16-166				
Pentachlorophenol	0.121	0.0885	"	0.884	ND	13.7	10-160				
Phenanthrene	1.41	0.0885	"	0.884	0.675	82.7	10-151				
Phenol	0.687	0.0885	"	0.884	ND	77.7	11-124				
Pyrene	1.65	0.0885	"	0.884	0.786	98.0	13-148				
Surrogate: 2-Fluorophenol	1.23		"	1.77		69.5	20-108				
Surrogate: Phenol-d5	1.20		"	1.77		68.0	23-114				
Surrogate: Nitrobenzene-d5	0.723		"	0.884		81.8	22-108				
Surrogate: 2-Fluorobiphenyl	0.653		"	0.884		73.8	21-113				
Surrogate: 2,4,6-Tribromophenol	1.02		"	1.77		57.8	19-110				
Surrogate: Terphenyl-d14	0.712		"	0.884		80.5	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80763 - EPA 3550C											
Matrix Spike Dup (BH80763-MSD1)		*Source sample: 18H0563-15 (SB-8 (17'-19'))					Prepared: 08/15/2018 Analyzed: 08/16/2018				
1,1-Biphenyl	0.603	0.0885	mg/kg dry	0.884	ND	68.2	24-112		14.1	30	
1,2,4,5-Tetrachlorobenzene	0.618	0.177	"	0.884	ND	69.9	18-152		16.3	30	
1,2,4-Trichlorobenzene	0.514	0.0885	"	0.884	ND	58.2	15-139		14.1	30	
1,2-Dichlorobenzene	0.480	0.0885	"	0.884	ND	54.2	29-106		18.4	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.682	0.0885	"	0.884	ND	77.1	10-135		15.9	30	
1,3-Dichlorobenzene	0.494	0.0885	"	0.884	ND	55.8	34-100		11.2	30	
1,4-Dichlorobenzene	0.496	0.0885	"	0.884	ND	56.1	26-107		7.55	30	
2,3,4,6-Tetrachlorophenol	0.658	0.177	"	0.884	ND	74.4	30-130		29.3	30	
2,4,5-Trichlorophenol	0.473	0.0885	"	0.884	ND	53.4	10-148		20.8	30	
2,4,6-Trichlorophenol	0.392	0.0885	"	0.884	ND	44.3	12-138		22.3	30	
2,4-Dichlorophenol	0.559	0.0885	"	0.884	ND	63.2	16-144		9.87	30	
2,4-Dimethylphenol	0.528	0.0885	"	0.884	ND	59.8	11-133		16.1	30	
2,4-Dinitrophenol	ND	0.177	"	0.884	ND		10-132	Low Bias		30	
2,4-Dinitrotoluene	0.559	0.0885	"	0.884	ND	63.2	42-113		4.46	30	
2,6-Dinitrotoluene	0.552	0.0885	"	0.884	ND	62.4	36-124		2.03	30	
2-Chloronaphthalene	0.538	0.0885	"	0.884	ND	60.8	31-116		14.4	30	
2-Chlorophenol	0.514	0.0885	"	0.884	ND	58.2	28-114		14.5	30	
2-Methylnaphthalene	0.621	0.0885	"	0.884	ND	70.2	10-143		7.24	30	
2-Methylphenol	0.482	0.0885	"	0.884	ND	54.5	10-160		13.6	30	
2-Nitroaniline	0.569	0.177	"	0.884	ND	64.3	33-122		9.48	30	
2-Nitrophenol	0.512	0.0885	"	0.884	ND	57.9	12-127		7.57	30	
3- & 4-Methylphenols	0.469	0.0885	"	0.884	ND	53.0	16-115		11.2	30	
3,3-Dichlorobenzidine	0.322	0.0885	"	0.884	ND	36.4	10-134		15.2	30	
3-Nitroaniline	0.494	0.177	"	0.884	ND	55.8	24-128		5.84	30	
4,6-Dinitro-2-methylphenol	ND	0.177	"	0.884	ND		10-149	Low Bias		30	
4-Bromophenyl phenyl ether	0.566	0.0885	"	0.884	ND	64.0	32-148		7.92	30	
4-Chloro-3-methylphenol	0.601	0.0885	"	0.884	ND	67.9	14-138		5.61	30	
4-Chloroaniline	0.371	0.0885	"	0.884	ND	42.0	10-124		18.0	30	
4-Chlorophenyl phenyl ether	0.518	0.0885	"	0.884	ND	58.6	10-153		13.6	30	
4-Nitroaniline	0.503	0.177	"	0.884	ND	56.9	10-151		16.9	30	
4-Nitrophenol	0.490	0.177	"	0.884	ND	55.4	10-141		16.2	30	
Acenaphthene	0.633	0.0885	"	0.884	0.0481	66.2	13-133		10.3	30	
Acenaphthylene	0.584	0.0885	"	0.884	ND	66.0	25-125		13.8	30	
Acetophenone	0.551	0.0885	"	0.884	ND	62.3	25-105		18.4	30	
Aniline	0.299	0.354	"	0.884	ND	33.8	10-112		16.5	30	
Anthracene	0.750	0.0885	"	0.884	0.166	66.0	27-128		12.1	30	
Atrazine	0.597	0.0885	"	0.884	ND	67.5	10-139		12.1	30	
Benzaldehyde	0.614	0.0885	"	0.884	ND	69.4	24-96		13.7	30	
Benzo(a)anthracene	0.960	0.0885	"	0.884	0.395	63.9	20-147		15.9	30	
Benzo(a)pyrene	1.04	0.0885	"	0.884	0.377	75.4	18-153		17.3	30	
Benzo(b)fluoranthene	0.918	0.0885	"	0.884	0.291	70.9	10-163		16.0	30	
Benzo(g,h,i)perylene	0.698	0.0885	"	0.884	0.189	57.6	10-157		19.5	30	
Benzo(k)fluoranthene	0.908	0.0885	"	0.884	0.310	67.7	10-157		17.9	30	
Benzoic acid	ND	0.0885	"	0.893	ND		10-130	Low Bias		30	
Benzyl alcohol	0.574	0.0885	"	0.884	ND	64.9	20-122		16.8	30	
Benzyl butyl phthalate	0.621	0.0885	"	0.884	ND	70.2	10-129		11.7	30	
Bis(2-chloroethoxy)methane	0.506	0.0885	"	0.884	ND	57.2	12-128		19.4	30	
Bis(2-chloroethyl)ether	0.611	0.0885	"	0.884	ND	69.0	18-113		4.64	30	
Bis(2-chloroisopropyl)ether	0.730	0.0885	"	0.884	ND	82.6	10-130		9.15	30	
Bis(2-ethylhexyl)phthalate	0.906	0.0885	"	0.884	0.273	71.6	10-138		13.7	30	
Caprolactam	0.550	0.177	"	0.884	ND	62.2	10-100		17.0	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80763 - EPA 3550C

Matrix Spike Dup (BH80763-MSD1)		*Source sample: 18H0563-15 (SB-8 (17'-19'))					Prepared: 08/15/2018 Analyzed: 08/16/2018				
Carbazole	0.574	0.0885	mg/kg dry	0.884	ND	65.0	24-139		9.17	30	
Chrysene	0.995	0.0885	"	0.884	0.413	65.8	18-133		15.8	30	
Dibenzo(a,h)anthracene	0.615	0.0885	"	0.884	0.0637	62.3	10-146		17.6	30	
Dibenzofuran	0.589	0.0885	"	0.884	ND	66.6	26-134		10.8	30	
Diethyl phthalate	0.562	0.0885	"	0.884	ND	63.5	30-119		11.5	30	
Dimethyl phthalate	0.533	0.0885	"	0.884	ND	60.2	34-120		16.1	30	
Di-n-butyl phthalate	0.573	0.0885	"	0.884	ND	64.8	20-128		8.06	30	
Di-n-octyl phthalate	0.703	0.0885	"	0.884	ND	79.5	10-133		14.2	30	
Fluoranthene	1.37	0.0885	"	0.884	0.726	73.1	10-155		9.20	30	
Fluorene	0.629	0.0885	"	0.884	0.0502	65.4	12-150		7.68	30	
Hexachlorobenzene	0.676	0.0885	"	0.884	ND	76.4	16-142		14.7	30	
Hexachlorobutadiene	0.530	0.0885	"	0.884	ND	59.9	11-150		8.81	30	
Hexachlorocyclopentadiene	0.122	0.0885	"	0.884	ND	13.8	10-115		45.0	30	Non-dir.
Hexachloroethane	0.512	0.0885	"	0.884	ND	57.8	14-106		18.1	30	
Indeno(1,2,3-cd)pyrene	0.703	0.0885	"	0.884	0.160	61.4	10-155		14.9	30	
Isophorone	0.574	0.0885	"	0.884	ND	64.9	14-127		10.3	30	
Naphthalene	0.597	0.0885	"	0.884	ND	67.5	15-132		12.5	30	
Nitrobenzene	0.574	0.0885	"	0.884	ND	65.0	18-125		17.0	30	
N-Nitrosodimethylamine	0.522	0.0885	"	0.884	ND	59.0	10-123		8.44	30	
N-nitroso-di-n-propylamine	0.561	0.0885	"	0.884	ND	63.4	23-115		8.57	30	
N-Nitrosodiphenylamine	0.805	0.0885	"	0.884	ND	91.0	16-166		14.7	30	
Pentachlorophenol	0.0524	0.0885	"	0.884	ND	5.92	10-160	Low Bias	79.2	30	Non-dir.
Phenanthrene	1.36	0.0885	"	0.884	0.675	78.0	10-151		3.01	30	
Phenol	0.595	0.0885	"	0.884	ND	67.3	11-124		14.3	30	
Pyrene	1.43	0.0885	"	0.884	0.786	73.2	13-148		14.2	30	
Surrogate: 2-Fluorophenol	1.06		"	1.77		59.8	20-108				
Surrogate: Phenol-d5	1.07		"	1.77		60.2	23-114				
Surrogate: Nitrobenzene-d5	0.577		"	0.884		65.3	22-108				
Surrogate: 2-Fluorobiphenyl	0.541		"	0.884		61.2	21-113				
Surrogate: 2,4,6-Tribromophenol	0.795		"	1.77		45.0	19-110				
Surrogate: Terphenyl-d14	0.602		"	0.884		68.1	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80799 - EPA 3550C

Blank (BH80799-BLK1)

Prepared: 08/16/2018 Analyzed: 08/17/2018

1,1-Biphenyl	ND	0.0417	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"
1,2,4-Trichlorobenzene	ND	0.0417	"
1,2-Dichlorobenzene	ND	0.0417	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"
1,3-Dichlorobenzene	ND	0.0417	"
1,4-Dichlorobenzene	ND	0.0417	"
2,3,4,6-Tetrachlorophenol	ND	0.0833	"
2,4,5-Trichlorophenol	ND	0.0417	"
2,4,6-Trichlorophenol	ND	0.0417	"
2,4-Dichlorophenol	ND	0.0417	"
2,4-Dimethylphenol	ND	0.0417	"
2,4-Dinitrophenol	ND	0.0833	"
2,4-Dinitrotoluene	ND	0.0417	"
2,6-Dinitrotoluene	ND	0.0417	"
2-Chloronaphthalene	ND	0.0417	"
2-Chlorophenol	ND	0.0417	"
2-Methylnaphthalene	ND	0.0417	"
2-Methylphenol	ND	0.0417	"
2-Nitroaniline	ND	0.0833	"
2-Nitrophenol	ND	0.0417	"
3- & 4-Methylphenols	ND	0.0417	"
3,3-Dichlorobenzidine	ND	0.0417	"
3-Nitroaniline	ND	0.0833	"
4,6-Dinitro-2-methylphenol	ND	0.0833	"
4-Bromophenyl phenyl ether	ND	0.0417	"
4-Chloro-3-methylphenol	ND	0.0417	"
4-Chloroaniline	ND	0.0417	"
4-Chlorophenyl phenyl ether	ND	0.0417	"
4-Nitroaniline	ND	0.0833	"
4-Nitrophenol	ND	0.0833	"
Acenaphthene	ND	0.0417	"
Acenaphthylene	ND	0.0417	"
Acetophenone	ND	0.0417	"
Aniline	ND	0.167	"
Anthracene	ND	0.0417	"
Atrazine	ND	0.0417	"
Benzaldehyde	ND	0.0417	"
Benzidine	ND	0.167	"
Benzo(a)anthracene	ND	0.0417	"
Benzo(a)pyrene	ND	0.0417	"
Benzo(b)fluoranthene	ND	0.0417	"
Benzo(g,h,i)perylene	ND	0.0417	"
Benzo(k)fluoranthene	ND	0.0417	"
Benzoic acid	ND	0.0417	"
Benzyl alcohol	ND	0.0417	"
Benzyl butyl phthalate	ND	0.0417	"
Bis(2-chloroethoxy)methane	ND	0.0417	"
Bis(2-chloroethyl)ether	ND	0.0417	"
Bis(2-chloroisopropyl)ether	ND	0.0417	"
Bis(2-ethylhexyl)phthalate	ND	0.0417	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80799 - EPA 3550C

Blank (BH80799-BLK1)

Prepared: 08/16/2018 Analyzed: 08/17/2018

Caprolactam	ND	0.0833	mg/kg wet
Carbazole	ND	0.0417	"
Chrysene	ND	0.0417	"
Dibenzo(a,h)anthracene	ND	0.0417	"
Dibenzofuran	ND	0.0417	"
Diethyl phthalate	ND	0.0417	"
Dimethyl phthalate	ND	0.0417	"
Di-n-butyl phthalate	ND	0.0417	"
Di-n-octyl phthalate	ND	0.0417	"
Fluoranthene	ND	0.0417	"
Fluorene	ND	0.0417	"
Hexachlorobenzene	ND	0.0417	"
Hexachlorobutadiene	ND	0.0417	"
Hexachlorocyclopentadiene	ND	0.0417	"
Hexachloroethane	ND	0.0417	"
Indeno(1,2,3-cd)pyrene	ND	0.0417	"
Isophorone	ND	0.0417	"
Naphthalene	ND	0.0417	"
Nitrobenzene	ND	0.0417	"
N-Nitrosodimethylamine	ND	0.0417	"
N-nitroso-di-n-propylamine	ND	0.0417	"
N-Nitrosodiphenylamine	ND	0.0417	"
Pentachlorophenol	ND	0.0417	"
Phenanthrene	ND	0.0417	"
Phenol	ND	0.0417	"
Pyrene	ND	0.0417	"

Surrogate: 2-Fluorophenol	1.35	"	1.67	81.2	20-108
Surrogate: Phenol-d5	1.29	"	1.67	77.7	23-114
Surrogate: Nitrobenzene-d5	0.834	"	0.833	100	22-108
Surrogate: 2-Fluorobiphenyl	0.693	"	0.833	83.2	21-113
Surrogate: 2,4,6-Tribromophenol	1.37	"	1.67	82.1	19-110
Surrogate: Terphenyl-d14	0.810	"	0.833	97.2	24-116



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80799 - EPA 3550C											
LCS (BH80799-BS1)						Prepared: 08/16/2018 Analyzed: 08/17/2018					
1,1-Biphenyl	0.679	0.0417	mg/kg wet	0.833		81.4	22-103				
1,2,4,5-Tetrachlorobenzene	0.672	0.0833	"	0.833		80.6	10-144				
1,2,4-Trichlorobenzene	0.583	0.0417	"	0.833		70.0	23-130				
1,2-Dichlorobenzene	0.582	0.0417	"	0.833		69.8	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	0.815	0.0417	"	0.833		97.8	10-140				
1,3-Dichlorobenzene	0.567	0.0417	"	0.833		68.1	32-113				
1,4-Dichlorobenzene	0.631	0.0417	"	0.833		75.8	28-111				
2,3,4,6-Tetrachlorophenol	1.64	0.0833	"	0.833		197	30-130	High Bias			
2,4,5-Trichlorophenol	0.611	0.0417	"	0.833		73.3	14-138				
2,4,6-Trichlorophenol	0.588	0.0417	"	0.833		70.6	27-122				
2,4-Dichlorophenol	0.668	0.0417	"	0.833		80.1	23-133				
2,4-Dimethylphenol	0.606	0.0417	"	0.833		72.8	15-131				
2,4-Dinitrophenol	0.623	0.0833	"	0.833		74.7	10-149				
2,4-Dinitrotoluene	0.631	0.0417	"	0.833		75.8	30-123				
2,6-Dinitrotoluene	0.608	0.0417	"	0.833		73.0	30-125				
2-Chloronaphthalene	0.566	0.0417	"	0.833		68.0	22-115				
2-Chlorophenol	0.591	0.0417	"	0.833		70.9	25-121				
2-Methylnaphthalene	0.652	0.0417	"	0.833		78.3	16-127				
2-Methylphenol	0.556	0.0417	"	0.833		66.7	10-146				
2-Nitroaniline	0.610	0.0833	"	0.833		73.2	24-126				
2-Nitrophenol	0.573	0.0417	"	0.833		68.8	17-129				
3- & 4-Methylphenols	0.561	0.0417	"	0.833		67.3	20-109				
3,3-Dichlorobenzidine	0.424	0.0417	"	0.833		50.8	10-147				
3-Nitroaniline	0.541	0.0833	"	0.833		65.0	23-123				
4,6-Dinitro-2-methylphenol	0.671	0.0833	"	0.833		80.6	10-149				
4-Bromophenyl phenyl ether	0.629	0.0417	"	0.833		75.5	30-138				
4-Chloro-3-methylphenol	0.703	0.0417	"	0.833		84.4	16-138				
4-Chloroaniline	0.498	0.0417	"	0.833		59.7	10-117				
4-Chlorophenyl phenyl ether	0.590	0.0417	"	0.833		70.8	18-132				
4-Nitroaniline	0.576	0.0833	"	0.833		69.1	14-125				
4-Nitrophenol	0.701	0.0833	"	0.833		84.1	10-136				
Acenaphthene	0.613	0.0417	"	0.833		73.6	17-124				
Acenaphthylene	0.617	0.0417	"	0.833		74.1	16-124				
Acetophenone	0.658	0.0417	"	0.833		79.0	28-105				
Aniline	0.428	0.167	"	0.833		51.4	10-111				
Anthracene	0.667	0.0417	"	0.833		80.0	24-124				
Atrazine	0.692	0.0417	"	0.833		83.0	22-120				
Benzaldehyde	0.680	0.0417	"	0.833		81.6	21-100				
Benzo(a)anthracene	0.649	0.0417	"	0.833		77.9	25-134				
Benzo(a)pyrene	0.720	0.0417	"	0.833		86.4	29-144				
Benzo(b)fluoranthene	0.672	0.0417	"	0.833		80.6	20-151				
Benzo(g,h,i)perylene	0.692	0.0417	"	0.833		83.0	10-153				
Benzo(k)fluoranthene	0.671	0.0417	"	0.833		80.5	10-148				
Benzoic acid	0.455	0.0417	"	0.842		54.1	10-116				
Benzyl alcohol	0.701	0.0417	"	0.833		84.2	17-128				
Benzyl butyl phthalate	0.678	0.0417	"	0.833		81.3	10-132				
Bis(2-chloroethoxy)methane	0.623	0.0417	"	0.833		74.8	10-129				
Bis(2-chloroethyl)ether	0.628	0.0417	"	0.833		75.3	14-125				
Bis(2-chloroisopropyl)ether	0.913	0.0417	"	0.833		110	14-122				
Bis(2-ethylhexyl)phthalate	0.730	0.0417	"	0.833		87.6	10-141				
Caprolactam	0.604	0.0833	"	0.833		72.5	10-123				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80799 - EPA 3550C

LCS (BH80799-BS1)

Prepared: 08/16/2018 Analyzed: 08/17/2018

Carbazole	0.618	0.0417	mg/kg wet	0.833		74.1	31-120				
Chrysene	0.650	0.0417	"	0.833		78.0	24-116				
Dibenzo(a,h)anthracene	0.698	0.0417	"	0.833		83.8	17-147				
Dibenzofuran	0.609	0.0417	"	0.833		73.1	23-123				
Diethyl phthalate	0.667	0.0417	"	0.833		80.1	23-122				
Dimethyl phthalate	0.642	0.0417	"	0.833		77.0	28-127				
Di-n-butyl phthalate	0.657	0.0417	"	0.833		78.9	19-123				
Di-n-octyl phthalate	0.717	0.0417	"	0.833		86.1	10-132				
Fluoranthene	0.661	0.0417	"	0.833		79.4	36-125				
Fluorene	0.641	0.0417	"	0.833		76.9	16-130				
Hexachlorobenzene	0.803	0.0417	"	0.833		96.4	10-129				
Hexachlorobutadiene	0.644	0.0417	"	0.833		77.3	22-153				
Hexachlorocyclopentadiene	0.315	0.0417	"	0.833		37.8	10-134				
Hexachloroethane	0.677	0.0417	"	0.833		81.2	20-112				
Indeno(1,2,3-cd)pyrene	0.683	0.0417	"	0.833		81.9	10-155				
Isophorone	0.647	0.0417	"	0.833		77.6	14-131				
Naphthalene	0.631	0.0417	"	0.833		75.7	20-121				
Nitrobenzene	0.701	0.0417	"	0.833		84.1	20-121				
N-Nitrosodimethylamine	0.591	0.0417	"	0.833		70.9	10-124				
N-nitroso-di-n-propylamine	0.641	0.0417	"	0.833		76.9	21-119				
N-Nitrosodiphenylamine	0.754	0.0417	"	0.833		90.5	10-163				
Pentachlorophenol	0.511	0.0417	"	0.833		61.3	10-143				
Phenanthrene	0.679	0.0417	"	0.833		81.5	24-123				
Phenol	0.695	0.0417	"	0.833		83.4	15-123				
Pyrene	0.680	0.0417	"	0.833		81.6	24-132				
Surrogate: 2-Fluorophenol	1.26		"	1.67		75.8	20-108				
Surrogate: Phenol-d5	1.21		"	1.67		72.9	23-114				
Surrogate: Nitrobenzene-d5	0.721		"	0.833		86.5	22-108				
Surrogate: 2-Fluorobiphenyl	0.617		"	0.833		74.1	21-113				
Surrogate: 2,4,6-Tribromophenol	1.17		"	1.67		70.4	19-110				
Surrogate: Terphenyl-d14	0.694		"	0.833		83.2	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80799 - EPA 3550C											
Matrix Spike (BH80799-MS1)	*Source sample: 18H0563-07 (SB-4 (17'-19'))						Prepared: 08/16/2018 Analyzed: 08/17/2018				
1,1-Biphenyl	0.538	0.0895	mg/kg dry	0.894	ND	60.2	24-112				
1,2,4,5-Tetrachlorobenzene	0.563	0.179	"	0.894	ND	63.0	18-152				
1,2,4-Trichlorobenzene	0.468	0.0895	"	0.894	ND	52.4	15-139				
1,2-Dichlorobenzene	0.471	0.0895	"	0.894	ND	52.7	29-106				
1,2-Diphenylhydrazine (as Azobenzene)	0.585	0.0895	"	0.894	ND	65.4	10-135				
1,3-Dichlorobenzene	0.418	0.0895	"	0.894	ND	46.8	34-100				
1,4-Dichlorobenzene	0.478	0.0895	"	0.894	ND	53.4	26-107				
2,3,4,6-Tetrachlorophenol	1.51	0.179	"	0.894	ND	169	30-130	High Bias			
2,4,5-Trichlorophenol	0.521	0.0895	"	0.894	ND	58.2	10-148				
2,4,6-Trichlorophenol	0.487	0.0895	"	0.894	ND	54.5	12-138				
2,4-Dichlorophenol	0.560	0.0895	"	0.894	ND	62.6	16-144				
2,4-Dimethylphenol	0.434	0.0895	"	0.894	ND	48.6	11-133				
2,4-Dinitrophenol	ND	0.179	"	0.894	ND		10-132	Low Bias			
2,4-Dinitrotoluene	0.459	0.0895	"	0.894	ND	51.4	42-113				
2,6-Dinitrotoluene	0.460	0.0895	"	0.894	ND	51.4	36-124				
2-Chloronaphthalene	0.457	0.0895	"	0.894	ND	51.1	31-116				
2-Chlorophenol	0.548	0.0895	"	0.894	ND	61.3	28-114				
2-Methylnaphthalene	0.509	0.0895	"	0.894	ND	57.0	10-143				
2-Methylphenol	0.518	0.0895	"	0.894	ND	57.9	10-160				
2-Nitroaniline	0.522	0.179	"	0.894	ND	58.4	33-122				
2-Nitrophenol	0.303	0.0895	"	0.894	ND	33.9	12-127				
3- & 4-Methylphenols	0.463	0.0895	"	0.894	ND	51.8	16-115				
3,3-Dichlorobenzidine	0.335	0.0895	"	0.894	ND	37.5	10-134				
3-Nitroaniline	0.529	0.179	"	0.894	ND	59.2	24-128				
4,6-Dinitro-2-methylphenol	ND	0.179	"	0.894	ND		10-149	Low Bias			
4-Bromophenyl phenyl ether	0.409	0.0895	"	0.894	ND	45.8	32-148				
4-Chloro-3-methylphenol	0.588	0.0895	"	0.894	ND	65.8	14-138				
4-Chloroaniline	0.445	0.0895	"	0.894	ND	49.8	10-124				
4-Chlorophenyl phenyl ether	0.453	0.0895	"	0.894	ND	50.7	10-153				
4-Nitroaniline	0.536	0.179	"	0.894	ND	60.0	10-151				
4-Nitrophenol	0.679	0.179	"	0.894	ND	75.9	10-141				
Acenaphthene	0.509	0.0895	"	0.894	ND	57.0	13-133				
Acenaphthylene	0.501	0.0895	"	0.894	ND	56.1	25-125				
Acetophenone	0.559	0.0895	"	0.894	ND	62.6	25-105				
Aniline	0.348	0.358	"	0.894	ND	39.0	10-112				
Anthracene	0.488	0.0895	"	0.894	ND	54.6	27-128				
Atrazine	0.578	0.0895	"	0.894	ND	64.7	10-139				
Benzaldehyde	0.567	0.0895	"	0.894	ND	63.4	24-96				
Benzo(a)anthracene	0.519	0.0895	"	0.894	ND	58.1	20-147				
Benzo(a)pyrene	0.585	0.0895	"	0.894	ND	65.4	18-153				
Benzo(b)fluoranthene	0.523	0.0895	"	0.894	ND	58.5	10-163				
Benzo(g,h,i)perylene	0.493	0.0895	"	0.894	ND	55.2	10-157				
Benzo(k)fluoranthene	0.541	0.0895	"	0.894	ND	60.5	10-157				
Benzoic acid	0.509	0.0895	"	0.903	ND	56.4	10-130				
Benzyl alcohol	0.605	0.0895	"	0.894	ND	67.7	20-122				
Benzyl butyl phthalate	0.524	0.0895	"	0.894	ND	58.6	10-129				
Bis(2-chloroethoxy)methane	0.496	0.0895	"	0.894	ND	55.5	12-128				
Bis(2-chloroethyl)ether	0.591	0.0895	"	0.894	ND	66.2	18-113				
Bis(2-chloroisopropyl)ether	0.721	0.0895	"	0.894	ND	80.6	10-130				
Bis(2-ethylhexyl)phthalate	0.588	0.0895	"	0.894	ND	65.8	10-138				
Caprolactam	0.522	0.179	"	0.894	ND	58.4	10-100				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80799 - EPA 3550C

Matrix Spike (BH80799-MS1)	*Source sample: 18H0563-07 (SB-4 (17'-19'))						Prepared: 08/16/2018 Analyzed: 08/17/2018				
Carbazole	0.499	0.0895	mg/kg dry	0.894	ND	55.8	24-139				
Chrysene	0.520	0.0895	"	0.894	ND	58.2	18-133				
Dibenzo(a,h)anthracene	0.516	0.0895	"	0.894	ND	57.8	10-146				
Dibenzofuran	0.479	0.0895	"	0.894	ND	53.6	26-134				
Diethyl phthalate	0.498	0.0895	"	0.894	ND	55.7	30-119				
Dimethyl phthalate	0.476	0.0895	"	0.894	ND	53.2	34-120				
Di-n-butyl phthalate	0.473	0.0895	"	0.894	ND	53.0	20-128				
Di-n-octyl phthalate	0.576	0.0895	"	0.894	ND	64.5	10-133				
Fluoranthene	0.528	0.0895	"	0.894	ND	59.1	10-155				
Fluorene	0.508	0.0895	"	0.894	ND	56.9	12-150				
Hexachlorobenzene	0.634	0.0895	"	0.894	ND	70.9	16-142				
Hexachlorobutadiene	0.443	0.0895	"	0.894	ND	49.5	11-150				
Hexachlorocyclopentadiene	0.0529	0.0895	"	0.894	ND	5.92	10-115	Low Bias			
Hexachloroethane	0.434	0.0895	"	0.894	ND	48.6	14-106				
Indeno(1,2,3-cd)pyrene	0.494	0.0895	"	0.894	ND	55.3	10-155				
Isophorone	0.558	0.0895	"	0.894	ND	62.4	14-127				
Naphthalene	0.530	0.0895	"	0.894	ND	59.3	15-132				
Nitrobenzene	0.612	0.0895	"	0.894	ND	68.5	18-125				
N-Nitrosodimethylamine	0.470	0.0895	"	0.894	ND	52.6	10-123				
N-nitroso-di-n-propylamine	0.518	0.0895	"	0.894	ND	58.0	23-115				
N-Nitrosodiphenylamine	0.548	0.0895	"	0.894	ND	61.4	16-166				
Pentachlorophenol	0.498	0.0895	"	0.894	ND	55.7	10-160				
Phenanthrene	0.506	0.0895	"	0.894	ND	56.6	10-151				
Phenol	0.569	0.0895	"	0.894	ND	63.7	11-124				
Pyrene	0.569	0.0895	"	0.894	ND	63.7	13-148				
Surrogate: 2-Fluorophenol	1.05		"	1.79		58.7	20-108				
Surrogate: Phenol-d5	1.03		"	1.79		57.5	23-114				
Surrogate: Nitrobenzene-d5	0.631		"	0.894		70.6	22-108				
Surrogate: 2-Fluorobiphenyl	0.480		"	0.894		53.7	21-113				
Surrogate: 2,4,6-Tribromophenol	1.04		"	1.79		58.2	19-110				
Surrogate: Terphenyl-d14	0.621		"	0.894		69.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80799 - EPA 3550C											
Matrix Spike Dup (BH80799-MSD1)		*Source sample: 18H0563-07 (SB-4 (17'-19'))					Prepared: 08/16/2018 Analyzed: 08/17/2018				
1,1-Biphenyl	0.591	0.0895	mg/kg dry	0.894	ND	66.2	24-112		9.37	30	
1,2,4,5-Tetrachlorobenzene	0.588	0.179	"	0.894	ND	65.8	18-152		4.47	30	
1,2,4-Trichlorobenzene	0.496	0.0895	"	0.894	ND	55.4	15-139		5.64	30	
1,2-Dichlorobenzene	0.513	0.0895	"	0.894	ND	57.4	29-106		8.57	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.671	0.0895	"	0.894	ND	75.1	10-135		13.8	30	
1,3-Dichlorobenzene	0.469	0.0895	"	0.894	ND	52.5	34-100		11.4	30	
1,4-Dichlorobenzene	0.523	0.0895	"	0.894	ND	58.5	26-107		9.01	30	
2,3,4,6-Tetrachlorophenol	1.75	0.179	"	0.894	ND	196	30-130	High Bias	14.9	30	
2,4,5-Trichlorophenol	0.588	0.0895	"	0.894	ND	65.8	10-148		12.3	30	
2,4,6-Trichlorophenol	0.609	0.0895	"	0.894	ND	68.2	12-138		22.3	30	
2,4-Dichlorophenol	0.656	0.0895	"	0.894	ND	73.4	16-144		15.9	30	
2,4-Dimethylphenol	0.559	0.0895	"	0.894	ND	62.6	11-133		25.2	30	
2,4-Dinitrophenol	ND	0.179	"	0.894	ND		10-132	Low Bias		30	
2,4-Dinitrotoluene	0.519	0.0895	"	0.894	ND	58.1	42-113		12.3	30	
2,6-Dinitrotoluene	0.517	0.0895	"	0.894	ND	57.8	36-124		11.7	30	
2-Chloronaphthalene	0.493	0.0895	"	0.894	ND	55.1	31-116		7.53	30	
2-Chlorophenol	0.554	0.0895	"	0.894	ND	62.0	28-114		1.17	30	
2-Methylnaphthalene	0.598	0.0895	"	0.894	ND	66.9	10-143		16.0	30	
2-Methylphenol	0.482	0.0895	"	0.894	ND	53.9	10-160		7.15	30	
2-Nitroaniline	0.583	0.179	"	0.894	ND	65.2	33-122		11.0	30	
2-Nitrophenol	0.398	0.0895	"	0.894	ND	44.6	12-127		27.1	30	
3- & 4-Methylphenols	0.500	0.0895	"	0.894	ND	55.9	16-115		7.57	30	
3,3-Dichlorobenzidine	0.361	0.0895	"	0.894	ND	40.4	10-134		7.39	30	
3-Nitroaniline	0.581	0.179	"	0.894	ND	65.0	24-128		9.40	30	
4,6-Dinitro-2-methylphenol	ND	0.179	"	0.894	ND		10-149	Low Bias		30	
4-Bromophenyl phenyl ether	0.481	0.0895	"	0.894	ND	53.8	32-148		16.2	30	
4-Chloro-3-methylphenol	0.640	0.0895	"	0.894	ND	71.6	14-138		8.38	30	
4-Chloroaniline	0.506	0.0895	"	0.894	ND	56.6	10-124		12.9	30	
4-Chlorophenyl phenyl ether	0.460	0.0895	"	0.894	ND	51.4	10-153		1.41	30	
4-Nitroaniline	0.587	0.179	"	0.894	ND	65.7	10-151		9.04	30	
4-Nitrophenol	0.729	0.179	"	0.894	ND	81.5	10-141		7.11	30	
Acenaphthene	0.537	0.0895	"	0.894	ND	60.1	13-133		5.33	30	
Acenaphthylene	0.518	0.0895	"	0.894	ND	58.0	25-125		3.37	30	
Acetophenone	0.577	0.0895	"	0.894	ND	64.6	25-105		3.15	30	
Aniline	0.342	0.358	"	0.894	ND	38.2	10-112		1.87	30	
Anthracene	0.550	0.0895	"	0.894	ND	61.5	27-128		11.8	30	
Atrazine	0.571	0.0895	"	0.894	ND	63.8	10-139		1.37	30	
Benzaldehyde	0.593	0.0895	"	0.894	ND	66.4	24-96		4.56	30	
Benzo(a)anthracene	0.543	0.0895	"	0.894	ND	60.7	20-147		4.44	30	
Benzo(a)pyrene	0.566	0.0895	"	0.894	ND	63.4	18-153		3.23	30	
Benzo(b)fluoranthene	0.546	0.0895	"	0.894	ND	61.0	10-163		4.28	30	
Benzo(g,h,i)perylene	0.501	0.0895	"	0.894	ND	56.1	10-157		1.58	30	
Benzo(k)fluoranthene	0.553	0.0895	"	0.894	ND	61.8	10-157		2.22	30	
Benzoic acid	0.516	0.0895	"	0.903	ND	57.1	10-130		1.26	30	
Benzyl alcohol	0.678	0.0895	"	0.894	ND	75.8	20-122		11.4	30	
Benzyl butyl phthalate	0.571	0.0895	"	0.894	ND	63.8	10-129		8.49	30	
Bis(2-chloroethoxy)methane	0.531	0.0895	"	0.894	ND	59.4	12-128		6.69	30	
Bis(2-chloroethyl)ether	0.599	0.0895	"	0.894	ND	67.0	18-113		1.20	30	
Bis(2-chloroisopropyl)ether	0.776	0.0895	"	0.894	ND	86.8	10-130		7.36	30	
Bis(2-ethylhexyl)phthalate	0.615	0.0895	"	0.894	ND	68.8	10-138		4.40	30	
Caprolactam	0.541	0.179	"	0.894	ND	60.6	10-100		3.63	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80799 - EPA 3550C

Matrix Spike Dup (BH80799-MSD1)		*Source sample: 18H0563-07 (SB-4 (17'-19'))					Prepared: 08/16/2018 Analyzed: 08/17/2018				
Carbazole	0.564	0.0895	mg/kg dry	0.894	ND	63.1	24-139		12.2	30	
Chrysene	0.556	0.0895	"	0.894	ND	62.2	18-133		6.78	30	
Dibenzo(a,h)anthracene	0.517	0.0895	"	0.894	ND	57.8	10-146		0.138	30	
Dibenzofuran	0.541	0.0895	"	0.894	ND	60.5	26-134		12.1	30	
Diethyl phthalate	0.561	0.0895	"	0.894	ND	62.7	30-119		11.9	30	
Dimethyl phthalate	0.583	0.0895	"	0.894	ND	65.2	34-120		20.3	30	
Di-n-butyl phthalate	0.536	0.0895	"	0.894	ND	60.0	20-128		12.5	30	
Di-n-octyl phthalate	0.611	0.0895	"	0.894	ND	68.4	10-133		5.90	30	
Fluoranthene	0.583	0.0895	"	0.894	ND	65.3	10-155		9.90	30	
Fluorene	0.558	0.0895	"	0.894	ND	62.5	12-150		9.38	30	
Hexachlorobenzene	0.696	0.0895	"	0.894	ND	77.8	16-142		9.36	30	
Hexachlorobutadiene	0.554	0.0895	"	0.894	ND	62.0	11-150		22.4	30	
Hexachlorocyclopentadiene	0.0479	0.0895	"	0.894	ND	5.36	10-115	Low Bias	9.93	30	
Hexachloroethane	0.486	0.0895	"	0.894	ND	54.3	14-106		11.2	30	
Indeno(1,2,3-cd)pyrene	0.521	0.0895	"	0.894	ND	58.3	10-155		5.35	30	
Isophorone	0.605	0.0895	"	0.894	ND	67.7	14-127		8.12	30	
Naphthalene	0.573	0.0895	"	0.894	ND	64.2	15-132		7.91	30	
Nitrobenzene	0.670	0.0895	"	0.894	ND	75.0	18-125		9.04	30	
N-Nitrosodimethylamine	0.511	0.0895	"	0.894	ND	57.2	10-123		8.45	30	
N-nitroso-di-n-propylamine	0.569	0.0895	"	0.894	ND	63.7	23-115		9.34	30	
N-Nitrosodiphenylamine	0.600	0.0895	"	0.894	ND	67.1	16-166		8.97	30	
Pentachlorophenol	0.480	0.0895	"	0.894	ND	53.7	10-160		3.66	30	
Phenanthrene	0.549	0.0895	"	0.894	ND	61.4	10-151		8.27	30	
Phenol	0.619	0.0895	"	0.894	ND	69.2	11-124		8.31	30	
Pyrene	0.587	0.0895	"	0.894	ND	65.7	13-148		3.09	30	
Surrogate: 2-Fluorophenol	1.18		"	1.79		65.8	20-108				
Surrogate: Phenol-d5	1.10		"	1.79		61.4	23-114				
Surrogate: Nitrobenzene-d5	0.658		"	0.894		73.6	22-108				
Surrogate: 2-Fluorobiphenyl	0.552		"	0.894		61.8	21-113				
Surrogate: 2,4,6-Tribromophenol	1.15		"	1.79		64.5	19-110				
Surrogate: Terphenyl-d14	0.638		"	0.894		71.4	24-116				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80762 - EPA 3550C

Blank (BH80762-BLK1)

Prepared: 08/15/2018 Analyzed: 08/16/2018

4,4'-DDD	ND	0.000330	mg/kg wet								
4,4'-DDE	ND	0.000330	"								
4,4'-DDT	ND	0.000330	"								
Aldrin	ND	0.000330	"								
alpha-BHC	ND	0.000330	"								
alpha-Chlordane	ND	0.000330	"								
beta-BHC	ND	0.000330	"								
Chlordane, total	ND	0.00660	"								
delta-BHC	ND	0.000330	"								
Dieldrin	ND	0.000330	"								
Endosulfan I	ND	0.000330	"								
Endosulfan II	ND	0.000330	"								
Endosulfan sulfate	ND	0.000330	"								
Endrin	ND	0.000330	"								
Endrin aldehyde	ND	0.000330	"								
Endrin ketone	ND	0.000330	"								
gamma-BHC (Lindane)	ND	0.000330	"								
gamma-Chlordane	ND	0.000330	"								
Heptachlor	ND	0.000330	"								
Heptachlor epoxide	ND	0.000330	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.0167	"								
Surrogate: Decachlorobiphenyl	0.0475		"	0.0670		70.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.0559		"	0.0673		83.0	30-150				

LCS (BH80762-BS1)

Prepared: 08/15/2018 Analyzed: 08/16/2018

4,4'-DDD	0.0380	0.000330	mg/kg wet	0.0333		114	40-140				
4,4'-DDE	0.0342	0.000330	"	0.0333		103	40-140				
4,4'-DDT	0.0387	0.000330	"	0.0333		116	40-140				
Aldrin	0.0362	0.000330	"	0.0333		109	40-140				
alpha-BHC	0.0406	0.000330	"	0.0333		122	40-140				
alpha-Chlordane	0.0347	0.000330	"	0.0333		104	40-140				
beta-BHC	0.0340	0.000330	"	0.0333		102	40-140				
delta-BHC	0.0417	0.000330	"	0.0333		125	40-140				
Dieldrin	0.0305	0.000330	"	0.0333		91.6	40-140				
Endosulfan I	0.0353	0.000330	"	0.0333		106	40-140				
Endosulfan II	0.0365	0.000330	"	0.0333		110	40-140				
Endosulfan sulfate	0.0344	0.000330	"	0.0333		103	40-140				
Endrin	0.0375	0.000330	"	0.0333		112	40-140				
Endrin aldehyde	0.0352	0.000330	"	0.0333		106	40-140				
Endrin ketone	0.0342	0.000330	"	0.0333		103	40-140				
gamma-BHC (Lindane)	0.0386	0.000330	"	0.0333		116	40-140				
gamma-Chlordane	0.0346	0.000330	"	0.0333		104	40-140				
Heptachlor	0.0338	0.000330	"	0.0333		101	40-140				
Heptachlor epoxide	0.0334	0.000330	"	0.0333		100	40-140				
Methoxychlor	0.0330	0.00165	"	0.0333		98.9	40-140				
Surrogate: Decachlorobiphenyl	0.0512		"	0.0670		76.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.0585		"	0.0673		86.9	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch Y8H1714 - BH80158

Performance Mix (Y8H1714-PEM1)

Prepared & Analyzed: 08/16/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	1.12		"	0.00			0-200				
4,4'-DDT	331		"	200		165	0-200				
Endrin	211		"	100		211	0-200	High Bias			
Endrin aldehyde	9.16		"	0.00			0-200				
Endrin ketone	11.8		"	0.00			0-200				

Performance Mix (Y8H1714-PEM2)

Prepared & Analyzed: 08/16/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.571		"	0.00			0-200				
4,4'-DDT	331		"	200		166	0-200				
Endrin	195		"	100		195	0-200				
Endrin aldehyde	2.75		"	0.00			0-200				
Endrin ketone	4.88		"	0.00			0-200				

Performance Mix (Y8H1714-PEM3)

Prepared: 08/16/2018 Analyzed: 08/17/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.984		"	0.00			0-200				
4,4'-DDT	311		"	200		155	0-200				
Endrin	205		"	100		205	0-200	High Bias			
Endrin aldehyde	2.96		"	0.00			0-200				
Endrin ketone	11.4		"	0.00			0-200				

Batch Y8H2015 - BH80158

Performance Mix (Y8H2015-PEM1)

Prepared & Analyzed: 08/17/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.766		"	0.00			0-200				
4,4'-DDT	311		"	200		156	0-200				
Endrin	189		"	100		189	0-200				
Endrin aldehyde	2.18		"	0.00			0-200				
Endrin ketone	9.22		"	0.00			0-200				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch Y8H2015 - BH80158

Performance Mix (Y8H2015-PEM2)

Prepared & Analyzed: 08/17/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.867		"	0.00			0-200			
4,4'-DDT	288		"	200		144	0-200			
Endrin	193		"	100		193	0-200			
Endrin aldehyde	2.52		"	0.00			0-200			
Endrin ketone	10.7		"	0.00			0-200			

Performance Mix (Y8H2015-PEM3)

Prepared: 08/17/2018 Analyzed: 08/18/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.939		"	0.00			0-200			
4,4'-DDT	292		"	200		146	0-200			
Endrin	200		"	100		200	0-200			
Endrin aldehyde	2.87		"	0.00			0-200			
Endrin ketone	10.4		"	0.00			0-200			



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80762 - EPA 3550C

Blank (BH80762-BLK2)

Prepared: 08/15/2018 Analyzed: 08/16/2018

Aroclor 1016	ND	0.0167	mg/kg wet
Aroclor 1221	ND	0.0167	"
Aroclor 1232	ND	0.0167	"
Aroclor 1242	ND	0.0167	"
Aroclor 1248	ND	0.0167	"
Aroclor 1254	ND	0.0167	"
Aroclor 1260	ND	0.0167	"
Total PCBs	ND	0.0167	"

Surrogate: Tetrachloro-m-xylene	0.0677	"	0.0673	100	30-140
Surrogate: Decachlorobiphenyl	0.0670	"	0.0670	100	30-140

LCS (BH80762-BS2)

Prepared: 08/15/2018 Analyzed: 08/16/2018

Aroclor 1016	0.360	0.0167	mg/kg wet	0.333	108	40-130
Aroclor 1260	0.355	0.0167	"	0.333	106	40-130
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0680</i>		<i>"</i>	<i>0.0673</i>	<i>101</i>	<i>30-140</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0670</i>		<i>"</i>	<i>0.0670</i>	<i>100</i>	<i>30-140</i>



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80723 - EPA 3050B

Blank (BH80723-BLK1)

Prepared & Analyzed: 08/15/2018

Aluminum	ND	5.00	mg/kg wet
Antimony	1.38	0.500	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.100	"
Cadmium	ND	0.300	"
Calcium	ND	5.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.500	"
Copper	ND	0.500	"
Iron	ND	2.00	"
Lead	ND	0.500	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	0.500	"
Potassium	10.8	5.00	"
Selenium	1.40	1.00	"
Silver	ND	0.500	"
Sodium	43.5	10.0	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.50	"

Reference (BH80723-SRM1)

Prepared & Analyzed: 08/15/2018

Aluminum	7050	5.00	mg/kg wet	8040	87.7	39.4-160.5
Antimony	131	0.500	"	91.4	143	25.1-275.7
Arsenic	152	1.00	"	146	104	69.9-132.9
Barium	98.5	1.00	"	102	96.6	71.5-136.3
Beryllium	142	0.100	"	134	106	75.4-138.1
Cadmium	63.8	0.300	"	63.2	101	73.3-141.5
Calcium	5700	5.00	"	5930	96.2	73.7-136.1
Chromium	93.2	0.500	"	89.3	104	69.1-143.3
Cobalt	127	0.500	"	119	106	74.6-142
Copper	64.8	0.500	"	60.8	107	72.7-141.6
Iron	14800	2.00	"	14400	103	35.6-163.9
Lead	101	0.500	"	98.5	102	70.8-137.1
Magnesium	2450	5.00	"	2580	94.8	63.6-136.1
Manganese	392	0.500	"	370	106	75.7-134.3
Nickel	77.7	0.500	"	66.6	117	70.7-146.3
Potassium	2070	5.00	"	2340	88.6	59.8-140.2
Selenium	113	1.00	"	136	82.7	67.1-136.8
Silver	48.3	0.500	"	48.9	98.7	66.5-139.5
Sodium	394	10.0	"	318	124	40.6-159.8
Thallium	153	1.00	"	138	111	68-136.2
Vanadium	71.3	1.00	"	69.7	102	58.9-141.8
Zinc	181	1.50	"	177	102	69.5-131.1



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80724 - EPA 3050B

Blank (BH80724-BLK1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum	5.91	5.00	mg/kg wet
Antimony	ND	0.500	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.100	"
Cadmium	ND	0.300	"
Calcium	ND	5.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.500	"
Copper	ND	0.500	"
Iron	ND	2.00	"
Lead	ND	0.500	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	0.500	"
Potassium	ND	5.00	"
Selenium	ND	1.00	"
Silver	ND	0.500	"
Sodium	11.6	10.0	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.50	"

Reference (BH80724-SRM1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum	8270	5.00	mg/kg wet	8040	103	39.4-160.5
Antimony	113	0.500	"	91.4	124	25.1-275.7
Arsenic	164	1.00	"	146	112	69.9-132.9
Barium	112	1.00	"	102	109	71.5-136.3
Beryllium	152	0.100	"	134	113	75.4-138.1
Cadmium	68.0	0.300	"	63.2	108	73.3-141.5
Calcium	6610	5.00	"	5930	111	73.7-136.1
Chromium	97.0	0.500	"	89.3	109	69.1-143.3
Cobalt	141	0.500	"	119	118	74.6-142
Copper	69.2	0.500	"	60.8	114	72.7-141.6
Iron	14700	2.00	"	14400	102	35.6-163.9
Lead	112	0.500	"	98.5	114	70.8-137.1
Magnesium	2810	5.00	"	2580	109	63.6-136.1
Manganese	420	0.500	"	370	113	75.7-134.3
Nickel	82.5	0.500	"	66.6	124	70.7-146.3
Potassium	2610	5.00	"	2340	111	59.8-140.2
Selenium	129	1.00	"	136	94.5	67.1-136.8
Silver	52.2	0.500	"	48.9	107	66.5-139.5
Sodium	364	10.0	"	318	114	40.6-159.8
Thallium	153	1.00	"	138	111	68-136.2
Vanadium	72.2	1.00	"	69.7	104	58.9-141.8
Zinc	195	1.50	"	177	110	69.5-131.1



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80935 - EPA 7473 soil

Blank (BH80935-BLK1)

Prepared & Analyzed: 08/20/2018

Mercury ND 0.0300 mg/kg wet

Reference (BH80935-SRM1)

Prepared & Analyzed: 08/20/2018

Mercury 13.003 mg/kg 13.8 94.2 57.1-143.5



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H0563-01	SB-1 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
18H0563-02	SB-1 (21'-23')	40mL Vial with Stir Bar-Cool 4° C
18H0563-03	SB-2 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
18H0563-04	SB-2 (21'-23')	40mL Vial with Stir Bar-Cool 4° C
18H0563-05	SB-3 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
18H0563-06	SB-4 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
18H0563-07	SB-4 (17'-19')	40mL Vial with Stir Bar-Cool 4° C
18H0563-08	SB-5 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
18H0563-09	SB-5 (10'-12')	40mL Vial with Stir Bar-Cool 4° C
18H0563-10	SB-6 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
18H0563-11	SB-6 (10'-12')	40mL Vial with Stir Bar-Cool 4° C
18H0563-12	SB-7 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
18H0563-13	SB-7 (10'-12')	40mL Vial with Stir Bar-Cool 4° C
18H0563-14	SB-8 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
18H0563-15	SB-8 (17'-19')	2 oz. WM Clear Glass Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
S-08	The recovery of this surrogate was outside of QC limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.



High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



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120 Research Drive
Stratford, CT 06615
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www.yorklab.com

YORK
ANALYTICAL LABORATORIES INC.

Field Chain-of-Custody Record

YORK Project No.
18H0563

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

Page **2** of **2**

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	
Address: 110 Walt Whitman Road	Address: 110 Walt Whitman Road	Address: 110 Walt Whitman Road	Address: 110 Walt Whitman Road	Address: 110 Walt Whitman Road	Address: 110 Walt Whitman Road	Address: 110 Walt Whitman Road	Address: 110 Walt Whitman Road	Address: 110 Walt Whitman Road	
Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	
Contact: William J. Fitchett	Contact: Wendy Montecasso	Contact: Wendy Montecasso	Contact: Wendy Montecasso	Contact: Wendy Montecasso	Contact: Wendy Montecasso	Contact: Wendy Montecasso	Contact: Wendy Montecasso	Contact: Wendy Montecasso	
E-mail: WJFitchett@geiconsultants.com	E-mail: WMontecasso@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	E-mail: WMontecasso@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	E-mail: WMontecasso@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	E-mail: WMontecasso@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.		Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.	
William J. Fitchett Samples Collected by: (print your name above and sign below) Wendy Montecasso		S - soil / solid	New York	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)	YORK Reg. Comp.	
		GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	EQUS (Standard)			
		DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQUIS			
		WW - wastewater	Pennsylvania	NY ASP B Package	NJDEP SRP HazSite				
		O - Oil ; Other	Other		NJDKQP	Other:			
		Sample Matrix	Date/Time Sampled	Analysis Requested					Container Description
		SB-1 (0'-2')	8/10/18 1540	TCL VOCs/SVOCs, TAL Metals, PCBs, Pesticides					16000000, one 400
SB-1 (10'-12')	8/10/18 1600	82605 822105			one 8-oz jar				
SB-2 (0'-2')	8/10/18 1021								
SB-2 (2'-23')	8/10/18 1055								
SB-3 (0'-2')	8/10/18 1430								
SB-4 (0'-2')	8/10/18 1315								
SB-4 (17'-19')	8/10/18 1325								
SB-5 (0'-2')	8/10/18 1125								
SB-5 (10'-12')	8/10/18 1145								
SB-6 (0'-2')	8/10/18 1207								
Comments:		Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___							
Samples Relinquished by / Company		Date/Time		Samples Relinquished by / Company		Date/Time		Special Instruction	
WJFitchett / GEI		8/13/18 1025AM		WJFitchett		8/13/18 1645		Field Filtered ___ Lab to Filter ___	
Samples Received by / Company		Date/Time		Samples Received by / Company		Date/Time		Temp. Received at Lab	
WJFitchett / GEI		8/13/18 1025AM		WJFitchett		8/13/18 1645		1.6 Degrees C	

Field Chain-of-Custody Record

YORK Project No.

1840563

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

Page 2 of 2

YORIK
MATHEMATICAL LABORATORIES INC.

[illegible]



Technical Report

prepared for:

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Wendy Monterosso

Report Date: 08/21/2018
Client Project ID: 580 Gerard Ave
York Project (SDG) No.: 18H0570

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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132-02 89th AVENUE
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/21/2018
Client Project ID: 580 Gerard Ave
York Project (SDG) No.: 18H0570

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Wendy Monterosso

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 13, 2018 and listed below. The project was identified as your project: **580 Gerard Ave.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18H0570-01	SB-2 (GW)	Water	08/10/2018	08/13/2018
18H0570-02	Trip Blank	Water	08/10/2018	08/13/2018

General Notes for York Project (SDG) No.: 18H0570

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/21/2018





Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H0570

580 Gerard Ave

Water

August 10, 2018 5:15 pm

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
95-63-6	1,2,4-Trimethylbenzene	1200		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 07:30	08/17/2018 13:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
108-67-8	1,3,5-Trimethylbenzene	340		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
123-91-1	1,4-Dioxane	ND		ug/L	200	1000	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
78-93-3	2-Butanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
591-78-6	2-Hexanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS



Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:15 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
67-64-1	Acetone	ND		ug/L	5.0	10	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
107-02-8	Acrolein	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
107-13-1	Acrylonitrile	ND		ug/L	1.0	10	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
71-43-2	Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
67-66-3	Chloroform	10		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
110-82-7	Cyclohexane	95		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
100-41-4	Ethyl Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS



Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

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August 10, 2018 5:15 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	47		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
79-20-9	Methyl acetate	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
108-87-2	Methyleyclohexane	180		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
104-51-8	n-Butylbenzene	43		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
103-65-1	n-Propylbenzene	110		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
179601-23-1	p- & m- Xylenes	3.2	SCAL- E, J	ug/L	2.5	5.0	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
99-87-6	p-Isopropyltoluene	7.2		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
135-98-8	sec-Butylbenzene	12		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.5	12	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
127-18-4	Tetrachloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
108-88-3	Toluene	1.6	J	ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 07:30	08/16/2018 18:45	SS
79-01-6	Trichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-01-4	Vinyl Chloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
1330-20-7	Xylenes, Total	3.2	J	ug/L	3.0	7.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 07:30	08/16/2018 18:45	SS



Sample Information

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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	118 %			69-130						
2037-26-5	Surrogate: Toluene-d8	98.6 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	91.3 %			79-122						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
95-57-8	2-Chlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
91-57-6	2-Methylnaphthalene	96.6		ug/L	15.6	31.2	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/17/2018 13:01	KH



Sample Information

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18H0570

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580 Gerard Ave

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Water

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August 10, 2018 5:15 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
88-74-4	2-Nitroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
88-75-5	2-Nitrophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
99-09-2	3-Nitroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
106-47-8	4-Chloroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
100-01-6	4-Nitroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
100-02-7	4-Nitrophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
83-32-9	Acenaphthene	0.100		ug/L	0.0625	0.0625	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:11	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:11	SR
98-86-2	Acetophenone	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
62-53-3	Aniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
120-12-7	Anthracene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:11	SR
1912-24-9	Atrazine	ND		ug/L	0.625	0.625	1	EPA 8270D Certifications:	08/14/2018 08:30 NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:11	SR
100-52-7	Benzaldehyde	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
92-87-5	Benzidine	ND		ug/L	12.5	25.0	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:11	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:11	SR



Sample Information

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Collection Date/Time
August 10, 2018 5:15 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
65-85-0	Benzoic acid	ND		ug/L	31.2	62.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
100-51-6	Benzyl alcohol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.750		ug/L	0.625	0.625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
105-60-2	Caprolactam	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
86-74-8	Carbazole	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
218-01-9	Chrysene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
132-64-9	Dibenzofuran	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
84-66-2	Diethyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
131-11-3	Dimethyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
206-44-0	Fluoranthene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
86-73-7	Fluorene	0.100		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0250	0.0250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.625	0.625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR



Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:15 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
67-72-1	Hexachloroethane	ND		ug/L	0.625	0.625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
78-59-1	Isophorone	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
91-20-3	Naphthalene	19.6		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
98-95-3	Nitrobenzene	ND		ug/L	0.312	0.312	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.625	0.625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.312	0.312	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
85-01-8	Phenanthrene	0.150		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
108-95-2	Phenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
129-00-0	Pyrene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	42.1 %	19.7-63.1								
4165-62-2	Surrogate: Phenol-d5	25.3 %	10.1-41.7								
4165-60-0	Surrogate: Nitrobenzene-d5	80.3 %	50.2-113								
321-60-8	Surrogate: 2-Fluorobiphenyl	84.4 %	39.9-105								
118-79-6	Surrogate: 2,4,6-Tribromophenol	94.1 %	39.3-151								
1718-51-0	Surrogate: Terphenyl-d14	101 %	30.7-106								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:21	08/20/2018 15:05	LAB
72-55-9	4,4'-DDE	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:21	08/20/2018 15:05	LAB
50-29-3	4,4'-DDT	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:21	08/20/2018 15:05	LAB

Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:15 pm

Date Received
08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
319-84-6	alpha-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
5103-71-9	alpha-Chlordane	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
319-85-7	beta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
57-74-9	Chlordane, total	ND		ug/L	0.0229	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
319-86-8	delta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
60-57-1	Dieldrin	ND		ug/L	0.00229	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
959-98-8	Endosulfan I	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
33213-65-9	Endosulfan II	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
72-20-8	Endrin	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
7421-93-4	Endrin aldehyde	ND		ug/L	0.0114	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
53494-70-5	Endrin ketone	ND		ug/L	0.0114	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
5566-34-7	gamma-Chlordane	ND		ug/L	0.0114	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
76-44-8	Heptachlor	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
72-43-5	Methoxychlor	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
8001-35-2	Toxaphene	ND		ug/L	0.114	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	59.9 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	47.2 %		30-150						

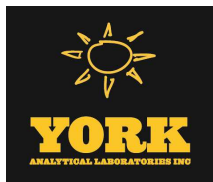
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615				132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166		ClientServices@		



Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

<u>York Project (SDG) No.</u> 18H0570	<u>Client Project ID</u> 580 Gerard Ave	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 10, 2018 5:15 pm	<u>Date Received</u> 08/13/2018

12674-11-2	Aroclor 1016	ND	ug/L	0.0571	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2018 14:47	LAB
11104-28-2	Aroclor 1221	ND	ug/L	0.0571	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2018 14:47	LAB
11141-16-5	Aroclor 1232	ND	ug/L	0.0571	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2018 14:47	LAB
53469-21-9	Aroclor 1242	ND	ug/L	0.0571	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2018 14:47	LAB
12672-29-6	Aroclor 1248	ND	ug/L	0.0571	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2018 14:47	LAB
11097-69-1	Aroclor 1254	ND	ug/L	0.0571	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2018 14:47	LAB
11096-82-5	Aroclor 1260	ND	ug/L	0.0571	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2018 14:47	LAB
1336-36-3	* Total PCBs	ND	ug/L	0.0571	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2018 14:47	LAB

Surrogate Recoveries		Result	Acceptance Range
877-09-8	Surrogate: Tetrachloro-m-xylene	62.9 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	%	30-120

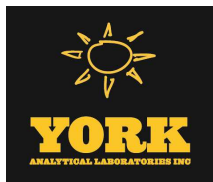
Metals, TAL, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	830		ug/L	10.0	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7440-36-0	Antimony	ND		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7440-38-2	Arsenic	ND		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7440-39-3	Barium	68.0		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7440-41-7	Beryllium	ND		ug/L	0.300	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7440-43-9	Cadmium	0.746		ug/L	0.500	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7440-47-3	Chromium	4.79		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7440-48-4	Cobalt	2.94		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7440-50-8	Copper	11.0		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7439-89-6	Iron	1730	B	ug/L	10.0	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7439-92-1	Lead	22.3		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7439-96-5	Manganese	111		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ



Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

York Project (SDG) No.

18H0570

Client Project ID

580 Gerard Ave

Matrix

Water

Collection Date/Time

August 10, 2018 5:15 pm

Date Received

08/13/2018

Metals, TAL, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	3.40		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:43	ZZZ
7782-49-2	Selenium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:43	ZZZ
7440-22-4	Silver	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:43	ZZZ
7440-28-0	Thallium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:43	ZZZ
7440-62-2	Vanadium	3.51		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:43	ZZZ
7440-66-6	Zinc	19.9		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:43	ZZZ

Metals, TAL, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	396		ug/L	10.0	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-36-0	Antimony	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-38-2	Arsenic	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-39-3	Barium	68.7		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-41-7	Beryllium	ND		ug/L	0.300	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-43-9	Cadmium	0.760		ug/L	0.500	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-47-3	Chromium	3.17		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-48-4	Cobalt	2.51		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-50-8	Copper	6.75		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7439-89-6	Iron	1290		ug/L	10.0	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7439-92-1	Lead	19.6		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7439-96-5	Manganese	105		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-02-0	Nickel	2.42		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7782-49-2	Selenium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML



Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:15 pm

Date Received
08/13/2018

Metals, TAL, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-28-0	Thallium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-62-2	Vanadium	1.40		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-66-6	Zinc	18.8		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		ug/L	0.20	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 09:12	08/20/2018 14:26	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 09:14	08/20/2018 12:24	SY

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18H0570-02

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 3:00 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18H0570-02

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 3:00 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	200	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18H0570-02

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 3:00 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18H0570-02

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 3:00 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/15/2018 15:52	08/16/2018 01:04	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/15/2018 15:52	08/16/2018 01:04	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	106 %	79-122								



Analytical Batch Summary

Batch ID: BH80646 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-01	SB-2 (GW)	08/14/18
18H0570-01	SB-2 (GW)	08/14/18
BH80646-BLK1	Blank	08/14/18
BH80646-BLK2	Blank	08/14/18
BH80646-BS1	LCS	08/14/18
BH80646-BS2	LCS	08/14/18
BH80646-BSD2	LCS Dup	08/14/18

Batch ID: BH80648 **Preparation Method:** EPA 3510C **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-01	SB-2 (GW)	08/14/18
18H0570-01RE1	SB-2 (GW)	08/14/18
BH80648-BLK1	Blank	08/14/18
BH80648-BLK2	Blank	08/14/18
BH80648-BS1	LCS	08/14/18
BH80648-BS2	LCS	08/14/18
BH80648-BSD1	LCS Dup	08/14/18

Batch ID: BH80751 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-01	SB-2 (GW)	08/15/18
BH80751-BLK1	Blank	08/15/18
BH80751-BS1	LCS	08/15/18

Batch ID: BH80752 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-01	SB-2 (GW)	08/15/18
BH80752-BLK1	Blank	08/15/18
BH80752-BS1	LCS	08/15/18

Batch ID: BH80772 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-02	Trip Blank	08/15/18
BH80772-BLK1	Blank	08/15/18
BH80772-BS1	LCS	08/15/18
BH80772-BSD1	LCS Dup	08/15/18



Batch ID: BH80792

Preparation Method: EPA 5030B

Prepared By: TAB

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-01	SB-2 (GW)	08/16/18
BH80792-BLK1	Blank	08/16/18
BH80792-BS1	LCS	08/16/18
BH80792-BSD1	LCS Dup	08/16/18

Batch ID: BH80893

Preparation Method: EPA 5030B

Prepared By: RDS

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-01RE1	SB-2 (GW)	08/17/18
BH80893-BLK1	Blank	08/17/18
BH80893-BS1	LCS	08/17/18
BH80893-BSD1	LCS Dup	08/17/18

Batch ID: BH80937

Preparation Method: EPA 7473 water

Prepared By: KML

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-01	SB-2 (GW)	08/20/18
BH80937-BLK1	Blank	08/20/18
BH80937-SRM1	Reference	08/20/18

Batch ID: BH80938

Preparation Method: EPA 7473 water

Prepared By: KML

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-01	SB-2 (GW)	08/20/18
BH80938-BLK1	Blank	08/20/18
BH80938-SRM1	Reference	08/20/18



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80772 - EPA 5030B											
Blank (BH80772-BLK1)											
Prepared: 08/15/2018 Analyzed: 08/16/2018											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80772 - EPA 5030B

Blank (BH80772-BLK1)

Prepared: 08/15/2018 Analyzed: 08/16/2018

n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	10.8		"	10.0		108	69-130				
Surrogate: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: p-Bromofluorobenzene	10.6		"	10.0		106	79-122				

LCS (BH80772-BS1)

Prepared & Analyzed: 08/15/2018

1,1,1,2-Tetrachloroethane	10		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	9.9		"	10.0		99.4	78-136				
1,1,2,2-Tetrachloroethane	9.6		"	10.0		95.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		99.9	54-165				
1,1,2-Trichloroethane	9.7		"	10.0		97.4	82-123				
1,1-Dichloroethane	10		"	10.0		103	82-129				
1,1-Dichloroethylene	10		"	10.0		101	68-138				
1,2,3-Trichlorobenzene	10		"	10.0		103	76-136				
1,2,3-Trichloropropane	9.8		"	10.0		98.2	77-128				
1,2,4-Trichlorobenzene	9.8		"	10.0		97.6	76-137				
1,2,4-Trimethylbenzene	10		"	10.0		102	82-132				
1,2-Dibromo-3-chloropropane	9.7		"	10.0		97.3	45-147				
1,2-Dibromoethane	9.8		"	10.0		98.3	83-124				
1,2-Dichlorobenzene	9.9		"	10.0		98.7	79-123				
1,2-Dichloroethane	11		"	10.0		107	73-132				
1,2-Dichloropropane	10		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		103	80-131				
1,3-Dichlorobenzene	9.9		"	10.0		98.8	86-122				
1,4-Dichlorobenzene	9.7		"	10.0		96.7	85-124				
1,4-Dioxane	250		"	210		120	10-349				
2-Butanone	10		"	10.0		102	49-152				
2-Hexanone	11		"	10.0		106	51-146				
4-Methyl-2-pentanone	11		"	10.0		109	57-145				
Acetone	11		"	10.0		108	14-150				
Acrolein	7.1		"	10.0		70.8	10-153				
Acrylonitrile	7.9		"	10.0		79.0	51-150				
Benzene	9.8		"	10.0		98.5	85-126				
Bromochloromethane	10		"	10.0		102	77-128				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80772 - EPA 5030B

LCS (BH80772-BS1)

Prepared & Analyzed: 08/15/2018

Bromodichloromethane	10		ug/L	10.0		101	79-128				
Bromoform	9.6		"	10.0		96.4	78-133				
Bromomethane	9.2		"	10.0		91.7	43-168				
Carbon disulfide	10		"	10.0		104	68-146				
Carbon tetrachloride	10		"	10.0		99.7	77-141				
Chlorobenzene	10		"	10.0		101	88-120				
Chloroethane	9.6		"	10.0		95.5	65-136				
Chloroform	9.9		"	10.0		98.6	82-128				
Chloromethane	9.1		"	10.0		90.7	43-155				
cis-1,2-Dichloroethylene	9.9		"	10.0		99.1	83-129				
cis-1,3-Dichloropropylene	9.9		"	10.0		99.1	80-131				
Cyclohexane	10		"	10.0		104	63-149				
Dibromochloromethane	10		"	10.0		102	80-130				
Dibromomethane	10		"	10.0		100	72-134				
Dichlorodifluoromethane	9.4		"	10.0		94.5	44-144				
Ethyl Benzene	10		"	10.0		105	80-131				
Hexachlorobutadiene	10		"	10.0		103	67-146				
Isopropylbenzene	10		"	10.0		100	76-140				
Methyl acetate	10		"	10.0		102	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135				
Methylcyclohexane	10		"	10.0		102	72-143				
Methylene chloride	11		"	10.0		109	55-137				
n-Butylbenzene	10		"	10.0		105	79-132				
n-Propylbenzene	10		"	10.0		104	78-133				
o-Xylene	11		"	10.0		106	78-130				
p- & m- Xylenes	19		"	20.0		94.6	77-133				
p-Isopropyltoluene	10		"	10.0		104	81-136				
sec-Butylbenzene	11		"	10.0		108	79-137				
Styrene	10		"	10.0		101	67-132				
tert-Butyl alcohol (TBA)	52		"	50.0		104	25-162				
tert-Butylbenzene	10		"	10.0		102	77-138				
Tetrachloroethylene	7.3		"	10.0		73.4	82-131	Low Bias			
Toluene	10		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		102	80-132				
trans-1,3-Dichloropropylene	9.7		"	10.0		97.1	78-131				
trans-1,4-dichloro-2-butene	9.7		"	10.0		97.4	63-141				
Trichloroethylene	11		"	10.0		106	82-128				
Trichlorofluoromethane	9.8		"	10.0		97.5	67-139				
Vinyl Chloride	9.7		"	10.0		97.1	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80772 - EPA 5030B											
LCS Dup (BH80772-BSD1)						Prepared & Analyzed: 08/15/2018					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		101	82-126		1.28	30	
1,1,1-Trichloroethane	10		"	10.0		104	78-136		4.43	30	
1,1,2,2-Tetrachloroethane	9.5		"	10.0		94.7	76-129		1.15	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		106	54-165		5.64	30	
1,1,2-Trichloroethane	9.7		"	10.0		96.9	82-123		0.515	30	
1,1-Dichloroethane	10		"	10.0		104	82-129		1.25	30	
1,1-Dichloroethylene	11		"	10.0		106	68-138		5.41	30	
1,2,3-Trichlorobenzene	9.9		"	10.0		98.7	76-136		3.97	30	
1,2,3-Trichloropropane	9.6		"	10.0		96.2	77-128		2.06	30	
1,2,4-Trichlorobenzene	9.4		"	10.0		94.1	76-137		3.65	30	
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132		1.08	30	
1,2-Dibromo-3-chloropropane	9.9		"	10.0		98.6	45-147		1.33	30	
1,2-Dibromoethane	9.8		"	10.0		98.5	83-124		0.203	30	
1,2-Dichlorobenzene	9.8		"	10.0		98.1	79-123		0.610	30	
1,2-Dichloroethane	11		"	10.0		107	73-132		0.0933	30	
1,2-Dichloropropane	9.8		"	10.0		98.1	78-126		2.22	30	
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131		0.0975	30	
1,3-Dichlorobenzene	9.7		"	10.0		96.7	86-122		2.15	30	
1,4-Dichlorobenzene	9.5		"	10.0		95.3	85-124		1.46	30	
1,4-Dioxane	310		"	210		148	10-349		20.8	30	
2-Butanone	10		"	10.0		105	49-152		2.51	30	
2-Hexanone	11		"	10.0		108	51-146		2.06	30	
4-Methyl-2-pentanone	11		"	10.0		109	57-145		0.0920	30	
Acetone	12		"	10.0		117	14-150		8.00	30	
Acrolein	7.2		"	10.0		72.1	10-153		1.82	30	
Acrylonitrile	9.1		"	10.0		91.0	51-150		14.1	30	
Benzene	10		"	10.0		100	85-126		1.61	30	
Bromochloromethane	10		"	10.0		101	77-128		1.08	30	
Bromodichloromethane	9.9		"	10.0		98.9	79-128		2.50	30	
Bromoform	9.8		"	10.0		97.9	78-133		1.54	30	
Bromomethane	8.9		"	10.0		88.6	43-168		3.44	30	
Carbon disulfide	11		"	10.0		109	68-146		4.59	30	
Carbon tetrachloride	11		"	10.0		106	77-141		5.94	30	
Chlorobenzene	10		"	10.0		101	88-120		0.0993	30	
Chloroethane	9.9		"	10.0		98.7	65-136		3.30	30	
Chloroform	10		"	10.0		99.9	82-128		1.31	30	
Chloromethane	9.2		"	10.0		91.8	43-155		1.21	30	
cis-1,2-Dichloroethylene	9.8		"	10.0		98.2	83-129		0.912	30	
cis-1,3-Dichloropropylene	9.7		"	10.0		96.6	80-131		2.55	30	
Cyclohexane	11		"	10.0		111	63-149		6.49	30	
Dibromochloromethane	10		"	10.0		101	80-130		0.989	30	
Dibromomethane	9.9		"	10.0		98.9	72-134		1.11	30	
Dichlorodifluoromethane	10		"	10.0		99.6	44-144		5.26	30	
Ethyl Benzene	11		"	10.0		105	80-131		0.476	30	
Hexachlorobutadiene	10		"	10.0		103	67-146		0.291	30	
Isopropylbenzene	10		"	10.0		102	76-140		1.78	30	
Methyl acetate	9.6		"	10.0		95.5	51-139		6.29	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135		0.754	30	
Methylcyclohexane	11		"	10.0		108	72-143		5.24	30	
Methylene chloride	11		"	10.0		108	55-137		0.831	30	
n-Butylbenzene	11		"	10.0		105	79-132		0.666	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80772 - EPA 5030B

LCS Dup (BH80772-BSD1)

Prepared & Analyzed: 08/15/2018

n-Propylbenzene	10		ug/L	10.0		104	78-133		0.577	30	
o-Xylene	11		"	10.0		105	78-130		0.946	30	
p- & m- Xylenes	19		"	20.0		93.6	77-133		1.01	30	
p-Isopropyltoluene	11		"	10.0		105	81-136		1.43	30	
sec-Butylbenzene	11		"	10.0		109	79-137		1.57	30	
Styrene	10		"	10.0		99.9	67-132		0.996	30	
tert-Butyl alcohol (TBA)	57		"	50.0		113	25-162		8.43	30	
tert-Butylbenzene	10		"	10.0		102	77-138		0.685	30	
Tetrachloroethylene	7.5		"	10.0		75.0	82-131	Low Bias	2.16	30	
Toluene	10		"	10.0		102	80-127		0.0982	30	
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132		1.94	30	
trans-1,3-Dichloropropylene	9.4		"	10.0		94.5	78-131		2.71	30	
trans-1,4-dichloro-2-butene	9.5		"	10.0		95.4	63-141		2.07	30	
Trichloroethylene	11		"	10.0		106	82-128		0.378	30	
Trichlorofluoromethane	11		"	10.0		109	67-139		11.0	30	
Vinyl Chloride	10		"	10.0		102	58-145		5.22	30	
Surrogate: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				

Batch BH80792 - EPA 5030B

Blank (BH80792-BLK1)

Prepared & Analyzed: 08/16/2018

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
1,4-Dioxane	ND	40	"
2-Butanone	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	2.0	"
Acrolein	ND	0.50	"
Acrylonitrile	ND	0.50	"
Benzene	ND	0.50	"
Bromochloromethane	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80792 - EPA 5030B

Blank (BH80792-BLK1)

Prepared & Analyzed: 08/16/2018

Bromodichloromethane	ND	0.50	ug/L								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	10.8		"	10.0		108	69-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: p-Bromofluorobenzene	10.6		"	10.0		106	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80792 - EPA 5030B											
LCS (BH80792-BS1)						Prepared & Analyzed: 08/16/2018					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		103	82-126				
1,1,1-Trichloroethane	11		"	10.0		106	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		104	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		116	54-165				
1,1,2-Trichloroethane	9.7		"	10.0		96.9	82-123				
1,1-Dichloroethane	11		"	10.0		108	82-129				
1,1-Dichloroethylene	11		"	10.0		109	68-138				
1,2,3-Trichlorobenzene	11		"	10.0		109	76-136				
1,2,3-Trichloropropane	10		"	10.0		103	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		99.9	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		105	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		103	45-147				
1,2-Dibromoethane	10		"	10.0		100	83-124				
1,2-Dichlorobenzene	10		"	10.0		101	79-123				
1,2-Dichloroethane	11		"	10.0		107	73-132				
1,2-Dichloropropane	10		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		106	80-131				
1,3-Dichlorobenzene	10		"	10.0		99.9	86-122				
1,4-Dichlorobenzene	9.9		"	10.0		98.9	85-124				
1,4-Dioxane	350		"	210		165	10-349				
2-Butanone	11		"	10.0		114	49-152				
2-Hexanone	11		"	10.0		108	51-146				
4-Methyl-2-pentanone	11		"	10.0		108	57-145				
Acetone	10		"	10.0		101	14-150				
Acrolein	18		"	10.0		184	10-153	High Bias			
Acrylonitrile	8.5		"	10.0		84.8	51-150				
Benzene	10		"	10.0		102	85-126				
Bromochloromethane	11		"	10.0		105	77-128				
Bromodichloromethane	10		"	10.0		100	79-128				
Bromoform	10		"	10.0		99.6	78-133				
Bromomethane	10		"	10.0		99.8	43-168				
Carbon disulfide	12		"	10.0		120	68-146				
Carbon tetrachloride	11		"	10.0		109	77-141				
Chlorobenzene	10		"	10.0		102	88-120				
Chloroethane	9.6		"	10.0		96.1	65-136				
Chloroform	10		"	10.0		102	82-128				
Chloromethane	10		"	10.0		104	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		102	80-131				
Cyclohexane	12		"	10.0		116	63-149				
Dibromochloromethane	10		"	10.0		99.6	80-130				
Dibromomethane	10		"	10.0		101	72-134				
Dichlorodifluoromethane	14		"	10.0		141	44-144				
Ethyl Benzene	11		"	10.0		107	80-131				
Hexachlorobutadiene	11		"	10.0		107	67-146				
Isopropylbenzene	10		"	10.0		105	76-140				
Methyl acetate	10		"	10.0		102	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		111	76-135				
Methylcyclohexane	11		"	10.0		112	72-143				
Methylene chloride	11		"	10.0		112	55-137				
n-Butylbenzene	11		"	10.0		111	79-132				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80792 - EPA 5030B											
LCS (BH80792-BS1)						Prepared & Analyzed: 08/16/2018					
n-Propylbenzene	11		ug/L	10.0		109	78-133				
o-Xylene	11		"	10.0		107	78-130				
p- & m- Xylenes	19		"	20.0		96.1	77-133				
p-Isopropyltoluene	11		"	10.0		109	81-136				
sec-Butylbenzene	11		"	10.0		114	79-137				
Styrene	10		"	10.0		103	67-132				
tert-Butyl alcohol (TBA)	57		"	50.0		115	25-162				
tert-Butylbenzene	11		"	10.0		106	77-138				
Tetrachloroethylene	7.6		"	10.0		76.5	82-131	Low Bias			
Toluene	10		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		109	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		101	78-131				
trans-1,4-dichloro-2-butene	10		"	10.0		102	63-141				
Trichloroethylene	10		"	10.0		104	82-128				
Trichlorofluoromethane	10		"	10.0		100	67-139				
Vinyl Chloride	11		"	10.0		107	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>79-122</i>				
LCS Dup (BH80792-BSD1)						Prepared & Analyzed: 08/16/2018					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		102	82-126		0.681	30	
1,1,1-Trichloroethane	10		"	10.0		101	78-136		4.53	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129		3.42	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		107	54-165		8.42	30	
1,1,2-Trichloroethane	9.8		"	10.0		98.2	82-123		1.33	30	
1,1-Dichloroethane	10		"	10.0		105	82-129		3.10	30	
1,1-Dichloroethylene	9.8		"	10.0		98.2	68-138		10.6	30	
1,2,3-Trichlorobenzene	10		"	10.0		104	76-136		5.07	30	
1,2,3-Trichloropropane	9.8		"	10.0		98.3	77-128		4.57	30	
1,2,4-Trichlorobenzene	9.8		"	10.0		98.1	76-137		1.82	30	
1,2,4-Trimethylbenzene	10		"	10.0		102	82-132		2.70	30	
1,2-Dibromo-3-chloropropane	9.9		"	10.0		99.0	45-147		4.06	30	
1,2-Dibromoethane	10		"	10.0		99.8	83-124		0.400	30	
1,2-Dichlorobenzene	9.9		"	10.0		99.2	79-123		1.60	30	
1,2-Dichloroethane	11		"	10.0		106	73-132		0.844	30	
1,2-Dichloropropane	10		"	10.0		101	78-126		0.397	30	
1,3,5-Trimethylbenzene	10		"	10.0		103	80-131		2.87	30	
1,3-Dichlorobenzene	9.8		"	10.0		98.4	86-122		1.51	30	
1,4-Dichlorobenzene	9.8		"	10.0		97.5	85-124		1.43	30	
1,4-Dioxane	170		"	210		81.1	10-349		68.1	30	Non-dir.
2-Butanone	9.6		"	10.0		95.7	49-152		17.5	30	
2-Hexanone	10		"	10.0		105	51-146		2.92	30	
4-Methyl-2-pentanone	11		"	10.0		106	57-145		2.71	30	
Acetone	8.9		"	10.0		89.2	14-150		12.0	30	
Acrolein	18		"	10.0		178	10-153	High Bias	3.38	30	
Acrylonitrile	7.6		"	10.0		76.2	51-150		10.7	30	
Benzene	10		"	10.0		101	85-126		1.18	30	
Bromochloromethane	10		"	10.0		104	77-128		1.53	30	
Bromodichloromethane	10		"	10.0		101	79-128		0.596	30	
Bromoform	9.8		"	10.0		98.4	78-133		1.21	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80792 - EPA 5030B											
LCS Dup (BH80792-BSD1)						Prepared & Analyzed: 08/16/2018					
Bromomethane	9.5		ug/L	10.0		94.6	43-168		5.35	30	
Carbon disulfide	11		"	10.0		113	68-146		6.36	30	
Carbon tetrachloride	10		"	10.0		104	77-141		4.89	30	
Chlorobenzene	10		"	10.0		101	88-120		1.08	30	
Chloroethane	9.1		"	10.0		90.8	65-136		5.67	30	
Chloroform	10		"	10.0		100	82-128		1.39	30	
Chloromethane	10		"	10.0		102	43-155		1.85	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		1.24	30	
cis-1,3-Dichloropropylene	10		"	10.0		101	80-131		0.494	30	
Cyclohexane	11		"	10.0		110	63-149		5.51	30	
Dibromochloromethane	10		"	10.0		102	80-130		2.18	30	
Dibromomethane	10		"	10.0		100	72-134		0.598	30	
Dichlorodifluoromethane	13		"	10.0		132	44-144		6.65	30	
Ethyl Benzene	11		"	10.0		105	80-131		1.70	30	
Hexachlorobutadiene	10		"	10.0		104	67-146		2.94	30	
Isopropylbenzene	10		"	10.0		102	76-140		2.61	30	
Methyl acetate	9.2		"	10.0		92.3	51-139		9.79	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		108	76-135		2.01	30	
Methylcyclohexane	11		"	10.0		107	72-143		4.31	30	
Methylene chloride	11		"	10.0		106	55-137		5.40	30	
n-Butylbenzene	11		"	10.0		108	79-132		2.74	30	
n-Propylbenzene	10		"	10.0		105	78-133		3.75	30	
o-Xylene	11		"	10.0		106	78-130		1.69	30	
p- & m- Xylenes	19		"	20.0		94.3	77-133		1.89	30	
p-Isopropyltoluene	10		"	10.0		105	81-136		3.65	30	
sec-Butylbenzene	11		"	10.0		109	79-137		4.23	30	
Styrene	10		"	10.0		100	67-132		2.17	30	
tert-Butyl alcohol (TBA)	43		"	50.0		86.2	25-162		28.4	30	
tert-Butylbenzene	10		"	10.0		103	77-138		3.73	30	
Tetrachloroethylene	7.4		"	10.0		73.9	82-131	Low Bias	3.46	30	
Toluene	10		"	10.0		102	80-127		2.13	30	
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132		3.36	30	
trans-1,3-Dichloropropylene	10		"	10.0		101	78-131		0.198	30	
trans-1,4-dichloro-2-butene	10		"	10.0		99.9	63-141		1.98	30	
Trichloroethylene	10		"	10.0		101	82-128		2.24	30	
Trichlorofluoromethane	9.3		"	10.0		92.9	67-139		7.56	30	
Vinyl Chloride	10		"	10.0		100	58-145		6.19	30	
Surrogate: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130				
Surrogate: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: p-Bromofluorobenzene	9.98		"	10.0		99.8	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80893 - EPA 5030B

Blank (BH80893-BLK1)

Prepared & Analyzed: 08/17/2018

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
1,4-Dioxane	ND	40	"
2-Butanone	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	2.0	"
Acrolein	ND	0.50	"
Acrylonitrile	ND	0.50	"
Benzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon disulfide	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Cyclohexane	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl acetate	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylcyclohexane	ND	0.50	"
Methylene chloride	ND	2.0	"
n-Butylbenzene	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80893 - EPA 5030B

Blank (BH80893-BLK1)

Prepared & Analyzed: 08/17/2018

n-Propylbenzene	ND	0.50	ug/L								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	9.89		"	10.0		98.9	69-130				
Surrogate: Toluene-d8	9.55		"	10.0		95.5	81-117				
Surrogate: p-Bromofluorobenzene	9.63		"	10.0		96.3	79-122				

LCS (BH80893-BS1)

Prepared & Analyzed: 08/17/2018

1,1,1,2-Tetrachloroethane	10		ug/L	10.0		104	82-126				
1,1,1-Trichloroethane	11		"	10.0		111	78-136				
1,1,2,2-Tetrachloroethane	9.1		"	10.0		91.4	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14		"	10.0		137	54-165				
1,1,2-Trichloroethane	9.5		"	10.0		94.7	82-123				
1,1-Dichloroethane	11		"	10.0		110	82-129				
1,1-Dichloroethylene	12		"	10.0		115	68-138				
1,2,3-Trichlorobenzene	11		"	10.0		114	76-136				
1,2,3-Trichloropropane	9.1		"	10.0		91.4	77-128				
1,2,4-Trichlorobenzene	11		"	10.0		109	76-137				
1,2,4-Trimethylbenzene	9.9		"	10.0		99.4	82-132				
1,2-Dibromo-3-chloropropane	8.7		"	10.0		87.2	45-147				
1,2-Dibromoethane	9.7		"	10.0		96.9	83-124				
1,2-Dichlorobenzene	10		"	10.0		99.5	79-123				
1,2-Dichloroethane	10		"	10.0		99.8	73-132				
1,2-Dichloropropane	9.3		"	10.0		92.7	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131				
1,3-Dichlorobenzene	10		"	10.0		101	86-122				
1,4-Dichlorobenzene	10		"	10.0		101	85-124				
1,4-Dioxane	220		"	210		105	10-349				
2-Butanone	11		"	10.0		115	49-152				
2-Hexanone	9.4		"	10.0		94.1	51-146				
4-Methyl-2-pentanone	8.9		"	10.0		89.1	57-145				
Acetone	11		"	10.0		112	14-150				
Acrolein	18		"	10.0		176	10-153	High Bias			
Acrylonitrile	10		"	10.0		101	51-150				
Benzene	11		"	10.0		108	85-126				
Bromochloromethane	10		"	10.0		101	77-128				
Bromodichloromethane	9.2		"	10.0		92.4	79-128				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80893 - EPA 5030B

LCS (BH80893-BS1)

Prepared & Analyzed: 08/17/2018

Bromoform	10		ug/L	10.0		104	78-133				
Bromomethane	3.0		"	10.0		30.0	43-168	Low Bias			
Carbon disulfide	13		"	10.0		129	68-146				
Carbon tetrachloride	12		"	10.0		119	77-141				
Chlorobenzene	10		"	10.0		102	88-120				
Chloroethane	9.8		"	10.0		98.1	65-136				
Chloroform	10		"	10.0		102	82-128				
Chloromethane	8.2		"	10.0		82.4	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	9.5		"	10.0		95.0	80-131				
Cyclohexane	12		"	10.0		124	63-149				
Dibromochloromethane	10		"	10.0		99.6	80-130				
Dibromomethane	9.2		"	10.0		91.9	72-134				
Dichlorodifluoromethane	13		"	10.0		135	44-144				
Ethyl Benzene	10		"	10.0		104	80-131				
Hexachlorobutadiene	12		"	10.0		124	67-146				
Isopropylbenzene	10		"	10.0		102	76-140				
Methyl acetate	9.2		"	10.0		92.2	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		109	76-135				
Methylcyclohexane	11		"	10.0		115	72-143				
Methylene chloride	11		"	10.0		110	55-137				
n-Butylbenzene	10		"	10.0		103	79-132				
n-Propylbenzene	10		"	10.0		100	78-133				
o-Xylene	10		"	10.0		103	78-130				
p- & m- Xylenes	19		"	20.0		93.0	77-133				
p-Isopropyltoluene	11		"	10.0		108	81-136				
sec-Butylbenzene	11		"	10.0		109	79-137				
Styrene	10		"	10.0		100	67-132				
tert-Butyl alcohol (TBA)	56		"	50.0		112	25-162				
tert-Butylbenzene	11		"	10.0		107	77-138				
Tetrachloroethylene	8.8		"	10.0		88.4	82-131				
Toluene	10		"	10.0		101	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		111	80-132				
trans-1,3-Dichloropropylene	9.3		"	10.0		93.1	78-131				
trans-1,4-dichloro-2-butene	8.7		"	10.0		87.2	63-141				
Trichloroethylene	10		"	10.0		102	82-128				
Trichlorofluoromethane	12		"	10.0		115	67-139				
Vinyl Chloride	10		"	10.0		104	58-145				
Surrogate: 1,2-Dichloroethane-d4	9.60		"	10.0		96.0	69-130				
Surrogate: Toluene-d8	9.60		"	10.0		96.0	81-117				
Surrogate: p-Bromofluorobenzene	9.33		"	10.0		93.3	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80893 - EPA 5030B											
LCS Dup (BH80893-BSD1)						Prepared & Analyzed: 08/17/2018					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		101	82-126		3.02	30	
1,1,1-Trichloroethane	11		"	10.0		106	78-136		4.59	30	
1,1,2,2-Tetrachloroethane	8.8		"	10.0		87.5	76-129		4.36	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0		128	54-165		6.62	30	
1,1,2-Trichloroethane	9.1		"	10.0		91.2	82-123		3.77	30	
1,1-Dichloroethane	10		"	10.0		104	82-129		5.04	30	
1,1-Dichloroethylene	11		"	10.0		109	68-138		5.17	30	
1,2,3-Trichlorobenzene	11		"	10.0		110	76-136		3.30	30	
1,2,3-Trichloropropane	9.0		"	10.0		89.6	77-128		1.99	30	
1,2,4-Trichlorobenzene	11		"	10.0		106	76-137		3.26	30	
1,2,4-Trimethylbenzene	9.8		"	10.0		98.0	82-132		1.42	30	
1,2-Dibromo-3-chloropropane	8.3		"	10.0		82.8	45-147		5.18	30	
1,2-Dibromoethane	9.4		"	10.0		94.0	83-124		3.04	30	
1,2-Dichlorobenzene	9.9		"	10.0		99.3	79-123		0.201	30	
1,2-Dichloroethane	9.6		"	10.0		95.6	73-132		4.30	30	
1,2-Dichloropropane	8.8		"	10.0		88.0	78-126		5.20	30	
1,3,5-Trimethylbenzene	9.9		"	10.0		99.3	80-131		2.39	30	
1,3-Dichlorobenzene	9.9		"	10.0		99.1	86-122		2.10	30	
1,4-Dichlorobenzene	9.8		"	10.0		97.9	85-124		3.12	30	
1,4-Dioxane	160		"	210		77.9	10-349		29.3	30	
2-Butanone	12		"	10.0		116	49-152		0.521	30	
2-Hexanone	9.9		"	10.0		98.8	51-146		4.87	30	
4-Methyl-2-pentanone	9.0		"	10.0		89.8	57-145		0.783	30	
Acetone	12		"	10.0		117	14-150		4.98	30	
Acrolein	16		"	10.0		164	10-153	High Bias	6.71	30	
Acrylonitrile	9.2		"	10.0		92.0	51-150		9.23	30	
Benzene	10		"	10.0		103	85-126		5.22	30	
Bromochloromethane	9.5		"	10.0		95.3	77-128		5.61	30	
Bromodichloromethane	8.8		"	10.0		88.5	79-128		4.31	30	
Bromoform	10		"	10.0		101	78-133		3.12	30	
Bromomethane	3.4		"	10.0		34.4	43-168	Low Bias	13.7	30	
Carbon disulfide	12		"	10.0		120	68-146		7.38	30	
Carbon tetrachloride	11		"	10.0		112	77-141		5.28	30	
Chlorobenzene	9.8		"	10.0		98.4	88-120		3.79	30	
Chloroethane	9.5		"	10.0		95.0	65-136		3.21	30	
Chloroform	9.9		"	10.0		98.8	82-128		3.38	30	
Chloromethane	7.9		"	10.0		78.7	43-155		4.59	30	
cis-1,2-Dichloroethylene	10		"	10.0		99.7	83-129		5.94	30	
cis-1,3-Dichloropropylene	9.4		"	10.0		93.5	80-131		1.59	30	
Cyclohexane	12		"	10.0		117	63-149		6.22	30	
Dibromochloromethane	9.9		"	10.0		99.3	80-130		0.302	30	
Dibromomethane	8.9		"	10.0		88.7	72-134		3.54	30	
Dichlorodifluoromethane	13		"	10.0		129	44-144		4.78	30	
Ethyl Benzene	10		"	10.0		101	80-131		2.84	30	
Hexachlorobutadiene	12		"	10.0		119	67-146		4.02	30	
Isopropylbenzene	10		"	10.0		99.7	76-140		2.77	30	
Methyl acetate	9.1		"	10.0		90.7	51-139		1.64	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135		3.16	30	
Methylcyclohexane	11		"	10.0		110	72-143		4.18	30	
Methylene chloride	10		"	10.0		105	55-137		5.21	30	
n-Butylbenzene	10		"	10.0		99.9	79-132		2.67	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80893 - EPA 5030B

LCS Dup (BH80893-BSD1)

Prepared & Analyzed: 08/17/2018

n-Propylbenzene	9.8		ug/L	10.0		98.3	78-133		2.11	30	
o-Xylene	10		"	10.0		100	78-130		3.05	30	
p- & m- Xylenes	18		"	20.0		89.9	77-133		3.39	30	
p-Isopropyltoluene	10		"	10.0		104	81-136		3.21	30	
sec-Butylbenzene	11		"	10.0		106	79-137		2.60	30	
Styrene	9.8		"	10.0		98.1	67-132		2.42	30	
tert-Butyl alcohol (TBA)	45		"	50.0		91.0	25-162		20.3	30	
tert-Butylbenzene	10		"	10.0		103	77-138		3.52	30	
Tetrachloroethylene	8.6		"	10.0		86.5	82-131		2.17	30	
Toluene	9.7		"	10.0		97.0	80-127		3.74	30	
trans-1,2-Dichloroethylene	11		"	10.0		105	80-132		5.10	30	
trans-1,3-Dichloropropylene	9.0		"	10.0		90.2	78-131		3.16	30	
trans-1,4-dichloro-2-butene	8.6		"	10.0		86.0	63-141		1.39	30	
Trichloroethylene	9.8		"	10.0		98.2	82-128		3.89	30	
Trichlorofluoromethane	11		"	10.0		109	67-139		5.81	30	
Vinyl Chloride	9.8		"	10.0		98.4	58-145		5.63	30	
Surrogate: 1,2-Dichloroethane-d4	9.59		"	10.0		95.9	69-130				
Surrogate: Toluene-d8	9.60		"	10.0		96.0	81-117				
Surrogate: p-Bromofluorobenzene	9.50		"	10.0		95.0	79-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80648 - EPA 3510C

Blank (BH80648-BLK1)

Prepared & Analyzed: 08/14/2018

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2,4-Trichlorobenzene	ND	5.00	"
1,2-Dichlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
1,4-Dichlorobenzene	ND	5.00	"
2,3,4,6-Tetrachlorophenol	ND	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acenaphthene	ND	0.0500	"
Acenaphthylene	ND	0.0500	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	20.0	"
Benzo(a)anthracene	ND	0.0500	"
Benzo(a)pyrene	ND	0.0500	"
Benzo(b)fluoranthene	ND	0.0500	"
Benzo(g,h,i)perylene	ND	0.0500	"
Benzo(k)fluoranthene	ND	0.0500	"
Benzoic acid	ND	50.0	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80648 - EPA 3510C

Blank (BH80648-BLK1)

Prepared & Analyzed: 08/14/2018

Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: 2-Fluorophenol	25.3		"	50.0		50.5	19.7-63.1				
Surrogate: Phenol-d5	13.3		"	50.0		26.6	10.1-41.7				
Surrogate: Nitrobenzene-d5	20.4		"	25.0		81.7	50.2-113				
Surrogate: 2-Fluorobiphenyl	26.1		"	25.0		105	39.9-105				
Surrogate: 2,4,6-Tribromophenol	50.6		"	50.0		101	39.3-151				
Surrogate: Terphenyl-d14	27.8		"	25.0		111	30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80648 - EPA 3510C

Blank (BH80648-BLK2)

Prepared & Analyzed: 08/14/2018

Acenaphthene	ND	0.0500	ug/L
Acenaphthylene	ND	0.0500	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
Benzo(a)anthracene	ND	0.0500	"
Benzo(a)pyrene	ND	0.0500	"
Benzo(b)fluoranthene	ND	0.0500	"
Benzo(g,h,i)perylene	ND	0.0500	"
Benzo(k)fluoranthene	ND	0.0500	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"
Chrysene	ND	0.0500	"
Dibenzo(a,h)anthracene	ND	0.0500	"
Fluoranthene	ND	0.0500	"
Fluorene	ND	0.0500	"
Hexachlorobenzene	ND	0.0200	"
Hexachlorobutadiene	ND	0.500	"
Hexachloroethane	ND	0.500	"
Indeno(1,2,3-cd)pyrene	ND	0.0500	"
Naphthalene	ND	0.0500	"
Nitrobenzene	ND	0.250	"
N-Nitrosodimethylamine	ND	0.500	"
Pentachlorophenol	ND	0.250	"
Phenanthrene	ND	0.0500	"
Pyrene	ND	0.0500	"

LCS (BH80648-BS1)

Prepared & Analyzed: 08/14/2018

1,1-Biphenyl	21.8	5.00	ug/L	25.0	87.2	21-102	
1,2,4,5-Tetrachlorobenzene	22.7	5.00	"	25.0	90.8	28-105	
1,2,4-Trichlorobenzene	24.0	5.00	"	25.0	96.2	35-91	High Bias
1,2-Dichlorobenzene	21.1	5.00	"	25.0	84.6	42-85	
1,2-Diphenylhydrazine (as Azobenzene)	21.0	5.00	"	25.0	84.0	16-137	
1,3-Dichlorobenzene	20.0	5.00	"	25.0	79.8	45-80	
1,4-Dichlorobenzene	17.9	5.00	"	25.0	71.6	42-82	
2,3,4,6-Tetrachlorophenol	48.3	5.00	"	25.0	193	30-130	High Bias
2,4,5-Trichlorophenol	25.7	5.00	"	25.0	103	36-112	
2,4,6-Trichlorophenol	25.2	5.00	"	25.0	101	41-107	
2,4-Dichlorophenol	27.4	5.00	"	25.0	110	43-92	High Bias
2,4-Dimethylphenol	23.2	5.00	"	25.0	92.8	25-92	High Bias
2,4-Dinitrophenol	35.4	5.00	"	25.0	141	10-149	
2,4-Dinitrotoluene	24.3	5.00	"	25.0	97.0	41-114	
2,6-Dinitrotoluene	24.1	5.00	"	25.0	96.3	49-106	
2-Chloronaphthalene	22.0	5.00	"	25.0	88.0	40-96	
2-Chlorophenol	20.0	5.00	"	25.0	80.1	35-84	
2-Methylnaphthalene	23.6	5.00	"	25.0	94.3	33-101	
2-Methylphenol	16.9	5.00	"	25.0	67.5	10-90	
2-Nitroaniline	20.2	5.00	"	25.0	80.7	31-122	
2-Nitrophenol	24.2	5.00	"	25.0	96.9	37-97	
3- & 4-Methylphenols	14.0	5.00	"	25.0	56.0	10-101	
3,3-Dichlorobenzidine	23.6	5.00	"	25.0	94.3	25-155	
3-Nitroaniline	17.5	5.00	"	25.0	70.0	29-128	
4,6-Dinitro-2-methylphenol	29.9	5.00	"	25.0	119	10-135	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80648 - EPA 3510C											
LCS (BH80648-BS1)						Prepared & Analyzed: 08/14/2018					
4-Bromophenyl phenyl ether	23.4	5.00	ug/L	25.0		93.5	38-116				
4-Chloro-3-methylphenol	22.4	5.00	"	25.0		89.7	28-101				
4-Chloroaniline	13.9	5.00	"	25.0		55.8	10-154				
4-Chlorophenyl phenyl ether	23.1	5.00	"	25.0		92.3	34-112				
4-Nitroaniline	18.2	5.00	"	25.0		72.8	15-143				
4-Nitrophenol	10.2	5.00	"	25.0		40.8	10-112				
Acenaphthene	19.5	0.0500	"	25.0		78.1	24-114				
Acenaphthylene	20.0	0.0500	"	25.0		80.0	26-112				
Acetophenone	20.0	5.00	"	25.0		79.9	47-92				
Aniline	7.41	5.00	"	25.0		29.6	10-107				
Anthracene	20.3	0.0500	"	25.0		81.1	35-114				
Atrazine	25.4	0.500	"	25.0		101	43-101				
Benzaldehyde	21.6	5.00	"	25.0		86.4	17-117				
Benzo(a)anthracene	23.9	0.0500	"	25.0		95.7	38-127				
Benzo(a)pyrene	24.1	0.0500	"	25.0		96.5	30-146				
Benzo(b)fluoranthene	24.7	0.0500	"	25.0		98.7	36-145				
Benzo(g,h,i)perylene	20.0	0.0500	"	25.0		80.1	10-163				
Benzo(k)fluoranthene	22.6	0.0500	"	25.0		90.4	16-149				
Benzoic acid	ND	50.0	"	25.4			30-130	Low Bias			
Benzyl alcohol	15.5	5.00	"	25.0		62.1	18-75				
Benzyl butyl phthalate	23.5	5.00	"	25.0		94.0	28-129				
Bis(2-chloroethoxy)methane	23.3	5.00	"	25.0		93.4	27-112				
Bis(2-chloroethyl)ether	18.1	5.00	"	25.0		72.6	24-114				
Bis(2-chloroisopropyl)ether	20.3	5.00	"	25.0		81.1	21-124				
Bis(2-ethylhexyl)phthalate	23.3	0.500	"	25.0		93.2	10-171				
Caprolactam	4.53	5.00	"	25.0		18.1	10-29				
Carbazole	24.4	5.00	"	25.0		97.5	49-116				
Chrysene	21.7	0.0500	"	25.0		86.8	33-120				
Dibenzo(a,h)anthracene	21.4	0.0500	"	25.0		85.5	10-149				
Dibenzofuran	22.3	5.00	"	25.0		89.0	42-105				
Diethyl phthalate	23.6	5.00	"	25.0		94.3	38-112				
Dimethyl phthalate	23.1	5.00	"	25.0		92.4	49-106				
Di-n-butyl phthalate	20.4	5.00	"	25.0		81.7	36-110				
Di-n-octyl phthalate	23.9	5.00	"	25.0		95.6	12-149				
Fluoranthene	20.8	0.0500	"	25.0		83.0	33-126				
Fluorene	20.2	0.0500	"	25.0		80.7	28-117				
Hexachlorobenzene	19.4	0.0200	"	25.0		77.8	27-120				
Hexachlorobutadiene	23.5	0.500	"	25.0		93.9	25-106				
Hexachlorocyclopentadiene	12.8	5.00	"	25.0		51.2	10-99				
Hexachloroethane	17.5	0.500	"	25.0		70.0	33-84				
Indeno(1,2,3-cd)pyrene	21.3	0.0500	"	25.0		85.2	10-150				
Isophorone	22.2	5.00	"	25.0		88.6	29-115				
Naphthalene	19.6	0.0500	"	25.0		78.3	30-99				
Nitrobenzene	21.5	0.250	"	25.0		86.2	32-113				
N-Nitrosodimethylamine	11.1	0.500	"	25.0		44.2	10-63				
N-nitroso-di-n-propylamine	20.5	5.00	"	25.0		81.9	36-118				
N-Nitrosodiphenylamine	27.0	5.00	"	25.0		108	27-145				
Pentachlorophenol	25.3	0.250	"	25.0		101	19-127				
Phenanthrene	20.4	0.0500	"	25.0		81.4	31-112				
Phenol	8.00	5.00	"	25.0		32.0	10-37				
Pyrene	23.0	0.0500	"	25.0		92.0	42-125				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80648 - EPA 3510C

LCS (BH80648-BS1)

Prepared & Analyzed: 08/14/2018

Surrogate: 2-Fluorophenol	29.4		ug/L	50.0		58.7	19.7-63.1				
Surrogate: Phenol-d5	15.2		"	50.0		30.5	10.1-41.7				
Surrogate: Nitrobenzene-d5	21.8		"	25.0		87.3	50.2-113				
Surrogate: 2-Fluorobiphenyl	26.1		"	25.0		104	39.9-105				
Surrogate: 2,4,6-Tribromophenol	60.2		"	50.0		120	39.3-151				
Surrogate: Terphenyl-d14	29.7		"	25.0		119	30.7-106				

LCS (BH80648-BS2)

Prepared & Analyzed: 08/14/2018

Acenaphthene	0.780	0.0500	ug/L	1.00		78.0	24-114				
Acenaphthylene	0.810	0.0500	"	1.00		81.0	26-112				
Anthracene	0.850	0.0500	"	1.00		85.0	35-114				
Atrazine	ND	0.500	"				43-101				
Benzo(a)anthracene	0.900	0.0500	"	1.00		90.0	38-127				
Benzo(a)pyrene	0.900	0.0500	"	1.00		90.0	30-146				
Benzo(b)fluoranthene	0.910	0.0500	"	1.00		91.0	36-145				
Benzo(g,h,i)perylene	0.970	0.0500	"	1.00		97.0	10-163				
Benzo(k)fluoranthene	0.900	0.0500	"	1.00		90.0	16-149				
Bis(2-ethylhexyl)phthalate	0.710	0.500	"	1.00		71.0	10-171				
Chrysene	0.820	0.0500	"	1.00		82.0	33-120				
Dibenzo(a,h)anthracene	0.960	0.0500	"	1.00		96.0	10-149				
Fluoranthene	0.980	0.0500	"	1.00		98.0	33-126				
Fluorene	0.890	0.0500	"	1.00		89.0	28-117				
Hexachlorobenzene	1.03	0.0200	"	1.00		103	27-120				
Hexachlorobutadiene	0.800	0.500	"	1.00		80.0	25-106				
Hexachloroethane	0.600	0.500	"	1.00		60.0	33-84				
Indeno(1,2,3-cd)pyrene	0.960	0.0500	"	1.00		96.0	10-150				
Naphthalene	0.800	0.0500	"	1.00		80.0	30-99				
Nitrobenzene	0.870	0.250	"	1.00		87.0	32-113				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-63	Low Bias			
Pentachlorophenol	1.17	0.250	"	1.00		117	19-127				
Phenanthrene	0.900	0.0500	"	1.00		90.0	31-112				
Pyrene	0.870	0.0500	"	1.00		87.0	42-125				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80648 - EPA 3510C											
LCS Dup (BH80648-BSD1)						Prepared & Analyzed: 08/14/2018					
1,1-Biphenyl	21.6	5.00	ug/L	25.0		86.4	21-102		0.922	20	
1,2,4,5-Tetrachlorobenzene	26.6	5.00	"	25.0		106	28-105	High Bias	15.6	20	
1,2,4-Trichlorobenzene	26.6	5.00	"	25.0		107	35-91	High Bias	10.3	20	
1,2-Dichlorobenzene	20.6	5.00	"	25.0		82.3	42-85		2.73	20	
1,2-Diphenylhydrazine (as Azobenzene)	18.0	5.00	"	25.0		71.8	16-137		15.6	20	
1,3-Dichlorobenzene	22.4	5.00	"	25.0		89.4	45-80	High Bias	11.3	20	
1,4-Dichlorobenzene	18.2	5.00	"	25.0		72.9	42-82		1.72	20	
2,3,4,6-Tetrachlorophenol	54.2	5.00	"	25.0		217	30-130	High Bias	11.6	20	
2,4,5-Trichlorophenol	25.2	5.00	"	25.0		101	36-112		1.93	20	
2,4,6-Trichlorophenol	26.8	5.00	"	25.0		107	41-107		6.08	20	
2,4-Dichlorophenol	27.9	5.00	"	25.0		112	43-92	High Bias	1.77	20	
2,4-Dimethylphenol	21.4	5.00	"	25.0		85.8	25-92		7.88	20	
2,4-Dinitrophenol	39.8	5.00	"	25.0		159	10-149	High Bias	11.8	20	
2,4-Dinitrotoluene	27.3	5.00	"	25.0		109	41-114		11.9	20	
2,6-Dinitrotoluene	25.7	5.00	"	25.0		103	49-106		6.35	20	
2-Chloronaphthalene	22.1	5.00	"	25.0		88.3	40-96		0.363	20	
2-Chlorophenol	20.4	5.00	"	25.0		81.6	35-84		1.88	20	
2-Methylnaphthalene	22.4	5.00	"	25.0		89.8	33-101		4.91	20	
2-Methylphenol	15.5	5.00	"	25.0		62.1	10-90		8.34	20	
2-Nitroaniline	22.8	5.00	"	25.0		91.1	31-122		12.1	20	
2-Nitrophenol	24.6	5.00	"	25.0		98.5	37-97	High Bias	1.68	20	
3- & 4-Methylphenols	14.4	5.00	"	25.0		57.6	10-101		2.82	20	
3,3-Dichlorobenzidine	23.0	5.00	"	25.0		92.2	25-155		2.23	20	
3-Nitroaniline	17.9	5.00	"	25.0		71.6	29-128		2.37	20	
4,6-Dinitro-2-methylphenol	31.0	5.00	"	25.0		124	10-135		3.68	20	
4-Bromophenyl phenyl ether	23.8	5.00	"	25.0		95.3	38-116		1.86	20	
4-Chloro-3-methylphenol	25.3	5.00	"	25.0		101	28-101		11.9	20	
4-Chloroaniline	14.1	5.00	"	25.0		56.4	10-154		1.07	20	
4-Chlorophenyl phenyl ether	26.5	5.00	"	25.0		106	34-112		13.8	20	
4-Nitroaniline	18.3	5.00	"	25.0		73.4	15-143		0.821	20	
4-Nitrophenol	10.8	5.00	"	25.0		43.2	10-112		5.71	20	
Acenaphthene	19.8	0.0500	"	25.0		79.0	24-114		1.22	20	
Acenaphthylene	21.1	0.0500	"	25.0		84.6	26-112		5.49	20	
Acetophenone	21.0	5.00	"	25.0		84.0	47-92		5.03	20	
Aniline	8.65	5.00	"	25.0		34.6	10-107		15.4	20	
Anthracene	20.8	0.0500	"	25.0		83.1	35-114		2.48	20	
Atrazine	25.0	0.500	"	25.0		99.9	43-101		1.47	20	
Benzaldehyde	24.3	5.00	"	25.0		97.2	17-117		11.7	20	
Benzo(a)anthracene	22.3	0.0500	"	25.0		89.0	38-127		7.19	20	
Benzo(a)pyrene	23.3	0.0500	"	25.0		93.0	30-146		3.63	20	
Benzo(b)fluoranthene	24.1	0.0500	"	25.0		96.4	36-145		2.38	20	
Benzo(g,h,i)perylene	22.4	0.0500	"	25.0		89.6	10-163		11.3	20	
Benzo(k)fluoranthene	23.9	0.0500	"	25.0		95.6	16-149		5.68	20	
Benzoic acid	ND	50.0	"	25.4			30-130	Low Bias		20	
Benzyl alcohol	15.3	5.00	"	25.0		61.2	18-75		1.56	20	
Benzyl butyl phthalate	22.6	5.00	"	25.0		90.4	28-129		3.86	20	
Bis(2-chloroethoxy)methane	24.2	5.00	"	25.0		96.6	27-112		3.41	20	
Bis(2-chloroethyl)ether	20.6	5.00	"	25.0		82.2	24-114		12.5	20	
Bis(2-chloroisopropyl)ether	19.1	5.00	"	25.0		76.5	21-124		5.84	20	
Bis(2-ethylhexyl)phthalate	22.8	0.500	"	25.0		91.1	10-171		2.30	20	
Caprolactam	4.91	5.00	"	25.0		19.6	10-29		8.05	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80648 - EPA 3510C

LCS Dup (BH80648-BSD1)

Prepared & Analyzed: 08/14/2018

Carbazole	25.6	5.00	ug/L	25.0		102	49-116		4.96	20	
Chrysene	20.2	0.0500	"	25.0		81.0	33-120		6.91	20	
Dibenzo(a,h)anthracene	23.1	0.0500	"	25.0		92.4	10-149		7.78	20	
Dibenzofuran	23.6	5.00	"	25.0		94.2	42-105		5.63	20	
Diethyl phthalate	25.3	5.00	"	25.0		101	38-112		6.92	20	
Dimethyl phthalate	24.5	5.00	"	25.0		97.8	49-106		5.72	20	
Di-n-butyl phthalate	22.3	5.00	"	25.0		89.4	36-110		8.98	20	
Di-n-octyl phthalate	22.0	5.00	"	25.0		88.0	12-149		8.28	20	
Fluoranthene	23.8	0.0500	"	25.0		95.3	33-126		13.8	20	
Fluorene	23.6	0.0500	"	25.0		94.3	28-117		15.6	20	
Hexachlorobenzene	21.0	0.0200	"	25.0		84.0	27-120		7.62	20	
Hexachlorobutadiene	25.0	0.500	"	25.0		100	25-106		6.31	20	
Hexachlorocyclopentadiene	14.2	5.00	"	25.0		56.9	10-99		10.5	20	
Hexachloroethane	18.8	0.500	"	25.0		75.1	33-84		7.11	20	
Indeno(1,2,3-cd)pyrene	23.7	0.0500	"	25.0		94.8	10-150		10.7	20	
Isophorone	23.1	5.00	"	25.0		92.2	29-115		3.98	20	
Naphthalene	19.0	0.0500	"	25.0		76.0	30-99		2.95	20	
Nitrobenzene	20.6	0.250	"	25.0		82.4	32-113		4.51	20	
N-Nitrosodimethylamine	12.4	0.500	"	25.0		49.6	10-63		11.3	20	
N-nitroso-di-n-propylamine	20.9	5.00	"	25.0		83.6	36-118		2.08	20	
N-Nitrosodiphenylamine	26.7	5.00	"	25.0		107	27-145		0.968	20	
Pentachlorophenol	27.3	0.250	"	25.0		109	19-127		7.53	20	
Phenanthrene	22.4	0.0500	"	25.0		89.8	31-112		9.77	20	
Phenol	7.61	5.00	"	25.0		30.4	10-37		5.00	20	
Pyrene	21.5	0.0500	"	25.0		86.0	42-125		6.83	20	
Surrogate: 2-Fluorophenol	29.4		"	50.0		58.9	19.7-63.1				
Surrogate: Phenol-d5	15.9		"	50.0		31.8	10.1-41.7				
Surrogate: Nitrobenzene-d5	23.8		"	25.0		95.0	50.2-113				
Surrogate: 2-Fluorobiphenyl	26.1		"	25.0		104	39.9-105				
Surrogate: 2,4,6-Tribromophenol	60.7		"	50.0		121	39.3-151				
Surrogate: Terphenyl-d14	29.4		"	25.0		118	30.7-106				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80646 - EPA SW846-3510C Low Level

Blank (BH80646-BLK1)

Prepared: 08/14/2018 Analyzed: 08/15/2018

4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0200	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Decachlorobiphenyl	0.111		"	0.201		55.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.105		"	0.202		51.9	30-150				

LCS (BH80646-BS1)

Prepared: 08/14/2018 Analyzed: 08/15/2018

4,4'-DDD	0.119	0.00400	ug/L	0.100		119	40-140				
4,4'-DDE	0.105	0.00400	"	0.100		105	40-140				
4,4'-DDT	0.119	0.00400	"	0.100		119	40-140				
Aldrin	0.105	0.00400	"	0.100		105	40-140				
alpha-BHC	0.115	0.00400	"	0.100		115	40-140				
alpha-Chlordane	0.103	0.00400	"	0.100		103	40-140				
beta-BHC	0.0985	0.00400	"	0.100		98.5	40-140				
delta-BHC	0.119	0.00400	"	0.100		119	40-140				
Dieldrin	0.0923	0.00200	"	0.100		92.3	40-140				
Endosulfan I	0.105	0.00400	"	0.100		105	40-140				
Endosulfan II	0.112	0.00400	"	0.100		112	40-140				
Endosulfan sulfate	0.110	0.00400	"	0.100		110	40-140				
Endrin	0.114	0.00400	"	0.100		114	40-140				
Endrin aldehyde	0.110	0.0100	"	0.100		110	40-140				
Endrin ketone	0.109	0.0100	"	0.100		109	40-140				
gamma-BHC (Lindane)	0.115	0.00400	"	0.100		115	40-140				
gamma-Chlordane	0.102	0.0100	"	0.100		102	40-140				
Heptachlor	0.0987	0.00400	"	0.100		98.7	40-140				
Heptachlor epoxide	0.0973	0.00400	"	0.100		97.3	40-140				
Methoxychlor	0.105	0.00400	"	0.100		105	40-140				
Surrogate: Decachlorobiphenyl	0.182		"	0.201		90.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.174		"	0.202		86.3	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch Y8H1603 - BH80158

Performance Mix (Y8H1603-PEM1)

Prepared & Analyzed: 08/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.571		"	0.00			0-200			
4,4'-DDT	277		"	200		138	0-200			
Endrin	167		"	100		167	0-200			
Endrin aldehyde	2.72		"	0.00			0-200			
Endrin ketone	8.53		"	0.00			0-200			

Performance Mix (Y8H1603-PEM2)

Prepared & Analyzed: 08/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.496		"	0.00			0-200			
4,4'-DDT	316		"	200		158	0-200			
Endrin	185		"	100		185	0-200			
Endrin aldehyde	1.70		"	0.00			0-200			
Endrin ketone	7.15		"	0.00			0-200			

Batch Y8H2015 - BH80158

Performance Mix (Y8H2015-PEM1)

Prepared & Analyzed: 08/17/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.766		"	0.00			0-200			
4,4'-DDT	311		"	200		156	0-200			
Endrin	189		"	100		189	0-200			
Endrin aldehyde	2.18		"	0.00			0-200			
Endrin ketone	9.22		"	0.00			0-200			

Performance Mix (Y8H2015-PEM2)

Prepared & Analyzed: 08/17/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.867		"	0.00			0-200			
4,4'-DDT	288		"	200		144	0-200			
Endrin	193		"	100		193	0-200			
Endrin aldehyde	2.52		"	0.00			0-200			
Endrin ketone	10.7		"	0.00			0-200			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch Y8H2015 - BH80158

Performance Mix (Y8H2015-PEM3)

Prepared: 08/17/2018 Analyzed: 08/18/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.939		"	0.00			0-200			
4,4'-DDT	292		"	200		146	0-200			
Endrin	200		"	100		200	0-200			
Endrin aldehyde	2.87		"	0.00			0-200			
Endrin ketone	10.4		"	0.00			0-200			

Batch Y8H2101 - BH80158

Performance Mix (Y8H2101-PEM1)

Prepared & Analyzed: 08/20/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.696		"	0.00			0-200			
4,4'-DDT	209		"	200		104	0-200			
Endrin	152		"	100		152	0-200			
Endrin aldehyde	4.18		"	0.00			0-200			
Endrin ketone	11.0		"	0.00			0-200			



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80646 - EPA SW846-3510C Low Level											
Blank (BH80646-BLK2)						Prepared & Analyzed: 08/14/2018					
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	0.202		"	0.202		100	30-120				
Surrogate: Decachlorobiphenyl	0.173		"	0.201		86.1	30-120				
LCS (BH80646-BS2)						Prepared & Analyzed: 08/14/2018					
Aroclor 1016	1.11	0.0500	ug/L	1.00		111	40-120				
Aroclor 1260	1.07	0.0500	"	1.00		107	40-120				
Surrogate: Tetrachloro-m-xylene	0.202		"	0.202		100	30-120				
Surrogate: Decachlorobiphenyl	0.167		"	0.201		83.1	30-120				
LCS Dup (BH80646-BSD2)						Prepared: 08/14/2018 Analyzed: 08/15/2018					
Aroclor 1016	1.06	0.0500	ug/L	1.00		106	40-120		4.82	30	
Aroclor 1260	1.24	0.0500	"	1.00		124	40-120	High Bias	14.4	30	
Surrogate: Tetrachloro-m-xylene	0.222		"	0.202		110	30-120				
Surrogate: Decachlorobiphenyl	0.231		"	0.201		115	30-120				



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80751 - EPA 3015A

Blank (BH80751-BLK1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum	ND	10.0	ug/L
Antimony	ND	1.00	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.300	"
Cadmium	ND	0.500	"
Chromium	ND	1.00	"
Cobalt	ND	1.00	"
Copper	ND	1.00	"
Iron	74.4	10.0	"
Lead	ND	1.00	"
Manganese	ND	1.00	"
Nickel	ND	1.00	"
Selenium	ND	1.00	"
Silver	ND	1.00	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.00	"

LCS (BH80751-BS1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum	2260	ug/L	2500	90.3	80-120
Antimony	49.8	"	50.0	99.6	80-120
Arsenic	46.1	"	50.0	92.2	80-120
Barium	45.7	"	50.0	91.3	80-120
Beryllium	45.9	"	50.0	91.9	80-120
Cadmium	47.5	"	50.0	95.1	80-120
Chromium	46.1	"	50.0	92.2	80-120
Cobalt	45.0	"	50.0	90.0	80-120
Copper	46.8	"	50.0	93.7	80-120
Iron	2370	"	2500	94.7	80-120
Lead	49.1	"	50.0	98.3	80-120
Manganese	44.5	"	50.0	88.9	80-120
Nickel	47.0	"	50.0	94.0	80-120
Selenium	40.3	"	50.0	80.7	80-120
Silver	48.1	"	50.0	96.2	80-120
Thallium	47.4	"	50.0	94.9	80-120
Vanadium	44.6	"	50.0	89.2	80-120
Zinc	45.5	"	50.0	90.9	80-120



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80752 - EPA 3015A

Blank (BH80752-BLK1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum - Dissolved	ND	10.0	ug/L
Antimony - Dissolved	ND	1.00	"
Arsenic - Dissolved	ND	1.00	"
Barium - Dissolved	ND	1.00	"
Beryllium - Dissolved	ND	0.300	"
Cadmium - Dissolved	ND	0.500	"
Chromium - Dissolved	ND	1.00	"
Cobalt - Dissolved	ND	1.00	"
Copper - Dissolved	ND	1.00	"
Iron - Dissolved	ND	10.0	"
Lead - Dissolved	ND	1.00	"
Manganese - Dissolved	ND	1.00	"
Nickel - Dissolved	ND	1.00	"
Selenium - Dissolved	ND	1.00	"
Silver - Dissolved	ND	1.00	"
Thallium - Dissolved	ND	1.00	"
Vanadium - Dissolved	ND	1.00	"
Zinc - Dissolved	ND	1.00	"

LCS (BH80752-BS1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum - Dissolved	2080	ug/L	2500	83.0	80-120
Antimony - Dissolved	48.0	"	50.0	96.0	80-120
Arsenic - Dissolved	43.8	"	50.0	87.6	80-120
Barium - Dissolved	46.2	"	50.0	92.5	80-120
Beryllium - Dissolved	45.3	"	50.0	90.7	80-120
Cadmium - Dissolved	45.1	"	50.0	90.1	80-120
Chromium - Dissolved	43.7	"	50.0	87.5	80-120
Cobalt - Dissolved	42.2	"	50.0	84.5	80-120
Copper - Dissolved	44.4	"	50.0	88.7	80-120
Iron - Dissolved	2310	"	2500	92.5	80-120
Lead - Dissolved	48.7	"	50.0	97.3	80-120
Manganese - Dissolved	44.7	"	50.0	89.5	80-120
Nickel - Dissolved	44.8	"	50.0	89.6	80-120
Selenium - Dissolved	43.8	"	50.0	87.6	80-120
Silver - Dissolved	46.3	"	50.0	92.5	80-120
Thallium - Dissolved	47.5	"	50.0	95.0	80-120
Vanadium - Dissolved	41.0	"	50.0	82.1	80-120
Zinc - Dissolved	44.4	"	50.0	88.8	80-120



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80937 - EPA 7473 water

Blank (BH80937-BLK1)

Prepared & Analyzed: 08/20/2018

Mercury	ND	0.20	ug/L

Reference (BH80937-SRM1)

Prepared & Analyzed: 08/20/2018

Mercury	0.0103		mg/L	0.0100		103	70-130

Batch BH80938 - EPA 7473 water

Blank (BH80938-BLK1)

Prepared & Analyzed: 08/20/2018

Mercury - Dissolved	ND	0.0002000	mg/L

Reference (BH80938-SRM1)

Prepared & Analyzed: 08/20/2018

Mercury - Dissolved	0.009593		mg/L	0.0100		95.9	70-130



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H0570-01	SB-2 (GW)	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H0570-02	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-08	The recovery of this surrogate was outside of QC limits.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
M-ISO	The ICP/MS result reported for this element used an alternate isotope due to molecular interferences encountered with the sample matrix.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.



Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



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YOUR INFORMATION

Company: GEI Consultants
Address: 110 Walt Whitman Road
Huntington Station, NY
Phone: 631-760-9300
Contact: William J. Fitchett
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Report To:

Company: GEI Consultants
Address: " "
Phone: " "
Contact: Wendy Montecasso
E-mail: WMontecasso@geiconsults.com

Invoice To:

Company: " "
Address: " "
Phone: " "
Contact: " "
E-mail: " "

YOUR PROJECT NUMBER

YOUR PROJECT NAME

580 Gerard Ave

YOUR PO#:

MATRIX CODES

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil ; Other

SAMPLES FROM

☒ New York
☐ New Jersey
☐ Connecticut
☐ Pennsylvania
☐ Other

Report / EDD Type (circle selections)

Summary Report ☒ Standard Excel EDD
QA Report ☐ EQUIS (Standard)
NY ASP A Package ☐ NYSDEC EQUIS
NY ASP B Package ☒ NUDEP Reduced Deliverables
NUDEP SRP HazSite
NUDKQP Other:

YORK REG. COMP.

Compared to the following Regulation(s): (please fill in)

SAMPLE IDENTIFICATION

SB-2 (GW)

Trip Blank

DATE/TIME SAMPLED

8/10/18 1715

8/10/18

ANALYSIS REQUESTED

TCL VOCs (8260) TCL SVOCs (8270), TAL Metals
PCBs (8082), Pesticides (8081)
TCL VOCs

CONTAINER DESCRIPTION

3 amber, 2 pkelets
3 vial vials
2 vial vials

Comments:

PRESERVATION: (check all that apply)

HCl ___ MeOH ___ HNO₃ ___ H₂SO₄ ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

SPECIAL INSTRUCTION

Field Filtered
Lab to Filter ___

Samples Relinquished by / Company

WJ Fitchett GEI

Date/Time

8/13/18
1025AM

Samples Received by / Company

WJ Fitchett

Date/Time

8/13/18
1025AM

Samples Relinquished by / Company

WJ Fitchett

Date/Time

8/13/18
1645

Samples Relinquished by / Company

Date/Time

8/13/18
1025AM

Samples Received by / Company

Date/Time

8/13/18
1025AM

Samples Relinquished by / Company

Date/Time

8/13/18
1645

Temp. Received at Lab

1-6

Degrees C



Technical Report

prepared for:

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Wendy Monterosso

Report Date: 08/21/2018
Client Project ID: 580 Gerard Ave
York Project (SDG) No.: 18H0567

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/21/2018
Client Project ID: 580 Gerard Ave
York Project (SDG) No.: 18H0567

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Wendy Monterosso

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 13, 2018 and listed below. The project was identified as your project: **580 Gerard Ave.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18H0567-01	SB-5 (GW)	Water	08/10/2018	08/13/2018

General Notes for York Project (SDG) No.: 18H0567

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/21/2018





Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H0567

580 Gerard Ave

Water

August 10, 2018 5:45 pm

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
95-63-6	1,2,4-Trimethylbenzene	3.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
108-67-8	1,3,5-Trimethylbenzene	1.2		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	200	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.
18H0567

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:45 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-27-4	Bromodichloromethane	0.95		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
67-66-3	Chloroform	16		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.
18H0567

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:45 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
108-87-2	Methylcyclohexane	0.47	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
103-65-1	n-Propylbenzene	0.40	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 07:30	08/16/2018 17:09	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 07:30	08/16/2018 17:09	SS
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.
18H0567

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:45 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %			69-130						
2037-26-5	Surrogate: Toluene-d8	101 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	105 %			79-122						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
95-57-8	2-Chlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.
18H0567

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:45 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
88-74-4	2-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
88-75-5	2-Nitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
99-09-2	3-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
106-47-8	4-Chloroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
100-01-6	4-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
100-02-7	4-Nitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
83-32-9	Acenaphthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
98-86-2	Acetophenone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
62-53-3	Aniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
120-12-7	Anthracene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
1912-24-9	Atrazine	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
100-52-7	Benzaldehyde	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
92-87-5	Benzidine	ND		ug/L	12.1	24.2	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.
18H0567

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:45 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
65-85-0	Benzoic acid	ND		ug/L	30.3	60.6	1	EPA 8270D Certifications:	08/14/2018 08:30 NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
100-51-6	Benzyl alcohol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.885		ug/L	0.606	0.606	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
105-60-2	Caprolactam	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
86-74-8	Carbazole	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
218-01-9	Chrysene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
132-64-9	Dibenzofuran	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
84-66-2	Diethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
131-11-3	Dimethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
206-44-0	Fluoranthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
86-73-7	Fluorene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	08/14/2018 08:30 NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0242	0.0242	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.
18H0567

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:45 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
67-72-1	Hexachloroethane	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
78-59-1	Isophorone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
91-20-3	Naphthalene	0.145		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
98-95-3	Nitrobenzene	ND		ug/L	0.303	0.303	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.303	0.303	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
85-01-8	Phenanthrene	0.0848		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
108-95-2	Phenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
129-00-0	Pyrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	25.6 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	14.6 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	46.6 %	S-08		50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	63.7 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	79.4 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	81.6 %			30.7-106						

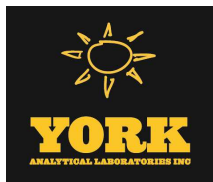
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:21	08/15/2018 17:53	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:21	08/15/2018 17:53	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:21	08/15/2018 17:53	SA



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

<u>York Project (SDG) No.</u> 18H0567	<u>Client Project ID</u> 580 Gerard Ave	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 10, 2018 5:45 pm	<u>Date Received</u> 08/13/2018

12674-11-2	Aroclor 1016	ND	ug/L	0.0606	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2018 12:26	LAB
11104-28-2	Aroclor 1221	ND	ug/L	0.0606	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2018 12:26	LAB
11141-16-5	Aroclor 1232	ND	ug/L	0.0606	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2018 12:26	LAB
53469-21-9	Aroclor 1242	ND	ug/L	0.0606	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2018 12:26	LAB
12672-29-6	Aroclor 1248	ND	ug/L	0.0606	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2018 12:26	LAB
11097-69-1	Aroclor 1254	ND	ug/L	0.0606	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2018 12:26	LAB
11096-82-5	Aroclor 1260	0.0836	ug/L	0.0606	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2018 12:26	LAB
1336-36-3	* Total PCBs	0.0836	ug/L	0.0606	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2018 12:26	LAB
Surrogate Recoveries		Result	Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	69.3 %	30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	68.7 %	30-120						

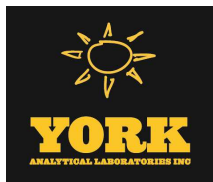
Metals, TAL, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7440-38-2	Arsenic	ND		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7440-39-3	Barium	76.4		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7440-41-7	Beryllium	ND		ug/L	0.300	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7440-43-9	Cadmium	ND		ug/L	0.500	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7440-47-3	Chromium	3.85		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7440-48-4	Cobalt	2.50		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7440-50-8	Copper	5.17		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7439-89-6	Iron	1780	B	ug/L	10.0	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7439-92-1	Lead	2.51		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7439-96-5	Manganese	259		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.

18H0567

Client Project ID

580 Gerard Ave

Matrix

Water

Collection Date/Time

August 10, 2018 5:45 pm

Date Received

08/13/2018

Metals, TAL, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	4.70		ug/L	1.00	1	EPA 6020A	08/15/2018 10:59	08/21/2018 18:39	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	1.10		ug/L	1.00	1	EPA 6020A	08/15/2018 10:59	08/21/2018 18:39	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		ug/L	1.00	1	EPA 6020A	08/15/2018 10:59	08/21/2018 18:39	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		ug/L	1.00	1	EPA 6020A	08/15/2018 10:59	08/21/2018 18:39	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	3.71		ug/L	1.00	1	EPA 6020A	08/15/2018 10:59	08/21/2018 18:39	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	48.2		ug/L	1.00	1	EPA 6020A	08/15/2018 10:59	08/21/2018 18:39	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, TAL, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	322		ug/L	10.0	1	EPA 6020A	08/15/2018 11:01	08/20/2018 17:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		ug/L	1.00	1	EPA 6020A	08/15/2018 11:01	08/20/2018 17:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		ug/L	1.00	1	EPA 6020A	08/15/2018 11:01	08/20/2018 17:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	62.9		ug/L	1.00	1	EPA 6020A	08/15/2018 11:01	08/20/2018 17:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		ug/L	0.300	1	EPA 6020A	08/15/2018 11:01	08/20/2018 17:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		ug/L	0.500	1	EPA 6020A	08/15/2018 11:01	08/20/2018 17:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	1.70		ug/L	1.00	1	EPA 6020A	08/15/2018 11:01	08/20/2018 17:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	1.03		ug/L	1.00	1	EPA 6020A	08/15/2018 11:01	08/20/2018 17:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	2.56		ug/L	1.00	1	EPA 6020A	08/15/2018 11:01	08/20/2018 17:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	712		ug/L	10.0	1	EPA 6020A	08/15/2018 11:01	08/20/2018 17:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	1.55		ug/L	1.00	1	EPA 6020A	08/15/2018 11:01	08/20/2018 17:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	122		ug/L	1.00	1	EPA 6020A	08/15/2018 11:01	08/20/2018 17:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	2.07		ug/L	1.00	1	EPA 6020A	08/15/2018 11:01	08/20/2018 17:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		ug/L	1.00	1	EPA 6020A	08/15/2018 11:01	08/20/2018 17:50	BML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.
18H0567

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:45 pm

Date Received
08/13/2018

Metals, TAL, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7440-28-0	Thallium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7440-62-2	Vanadium	1.00		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7440-66-6	Zinc	481		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		ug/L	0.20	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 09:12	08/20/2018 14:15	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 09:14	08/20/2018 12:16	SY



Analytical Batch Summary

Batch ID: BH80646 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18H0567-01	SB-5 (GW)	08/14/18
18H0567-01	SB-5 (GW)	08/14/18
BH80646-BLK1	Blank	08/14/18
BH80646-BLK2	Blank	08/14/18
BH80646-BS1	LCS	08/14/18
BH80646-BS2	LCS	08/14/18
BH80646-BSD2	LCS Dup	08/14/18

Batch ID: BH80648 **Preparation Method:** EPA 3510C **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18H0567-01	SB-5 (GW)	08/14/18
BH80648-BLK1	Blank	08/14/18
BH80648-BLK2	Blank	08/14/18
BH80648-BS1	LCS	08/14/18
BH80648-BS2	LCS	08/14/18
BH80648-BSD1	LCS Dup	08/14/18

Batch ID: BH80751 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18H0567-01	SB-5 (GW)	08/15/18
BH80751-BLK1	Blank	08/15/18
BH80751-BS1	LCS	08/15/18

Batch ID: BH80752 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18H0567-01	SB-5 (GW)	08/15/18
BH80752-BLK1	Blank	08/15/18
BH80752-BS1	LCS	08/15/18

Batch ID: BH80792 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18H0567-01	SB-5 (GW)	08/16/18
BH80792-BLK1	Blank	08/16/18
BH80792-BS1	LCS	08/16/18
BH80792-BSD1	LCS Dup	08/16/18

Batch ID: BH80937 **Preparation Method:** EPA 7473 water **Prepared By:** KML



YORK Sample ID	Client Sample ID	Preparation Date
18H0567-01	SB-5 (GW)	08/20/18
BH80937-BLK1	Blank	08/20/18
BH80937-SRM1	Reference	08/20/18

Batch ID: BH80938 **Preparation Method:** EPA 7473 water **Prepared By:** KML

YORK Sample ID	Client Sample ID	Preparation Date
18H0567-01	SB-5 (GW)	08/20/18
BH80938-BLK1	Blank	08/20/18
BH80938-SRM1	Reference	08/20/18



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80792 - EPA 5030B											
Blank (BH80792-BLK1)										Prepared & Analyzed: 08/16/2018	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80792 - EPA 5030B

Blank (BH80792-BLK1)

Prepared & Analyzed: 08/16/2018

n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	10.8		"	10.0		108	69-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: p-Bromofluorobenzene	10.6		"	10.0		106	79-122				

LCS (BH80792-BS1)

Prepared & Analyzed: 08/16/2018

1,1,1,2-Tetrachloroethane	10		ug/L	10.0		103	82-126				
1,1,1-Trichloroethane	11		"	10.0		106	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		104	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		116	54-165				
1,1,2-Trichloroethane	9.7		"	10.0		96.9	82-123				
1,1-Dichloroethane	11		"	10.0		108	82-129				
1,1-Dichloroethylene	11		"	10.0		109	68-138				
1,2,3-Trichlorobenzene	11		"	10.0		109	76-136				
1,2,3-Trichloropropane	10		"	10.0		103	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		99.9	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		105	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		103	45-147				
1,2-Dibromoethane	10		"	10.0		100	83-124				
1,2-Dichlorobenzene	10		"	10.0		101	79-123				
1,2-Dichloroethane	11		"	10.0		107	73-132				
1,2-Dichloropropane	10		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		106	80-131				
1,3-Dichlorobenzene	10		"	10.0		99.9	86-122				
1,4-Dichlorobenzene	9.9		"	10.0		98.9	85-124				
1,4-Dioxane	350		"	210		165	10-349				
2-Butanone	11		"	10.0		114	49-152				
2-Hexanone	11		"	10.0		108	51-146				
4-Methyl-2-pentanone	11		"	10.0		108	57-145				
Acetone	10		"	10.0		101	14-150				
Acrolein	18		"	10.0		184	10-153	High Bias			
Acrylonitrile	8.5		"	10.0		84.8	51-150				
Benzene	10		"	10.0		102	85-126				
Bromochloromethane	11		"	10.0		105	77-128				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80792 - EPA 5030B

LCS (BH80792-BS1)

Prepared & Analyzed: 08/16/2018

Bromodichloromethane	10		ug/L	10.0		100	79-128				
Bromoform	10		"	10.0		99.6	78-133				
Bromomethane	10		"	10.0		99.8	43-168				
Carbon disulfide	12		"	10.0		120	68-146				
Carbon tetrachloride	11		"	10.0		109	77-141				
Chlorobenzene	10		"	10.0		102	88-120				
Chloroethane	9.6		"	10.0		96.1	65-136				
Chloroform	10		"	10.0		102	82-128				
Chloromethane	10		"	10.0		104	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		102	80-131				
Cyclohexane	12		"	10.0		116	63-149				
Dibromochloromethane	10		"	10.0		99.6	80-130				
Dibromomethane	10		"	10.0		101	72-134				
Dichlorodifluoromethane	14		"	10.0		141	44-144				
Ethyl Benzene	11		"	10.0		107	80-131				
Hexachlorobutadiene	11		"	10.0		107	67-146				
Isopropylbenzene	10		"	10.0		105	76-140				
Methyl acetate	10		"	10.0		102	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		111	76-135				
Methylcyclohexane	11		"	10.0		112	72-143				
Methylene chloride	11		"	10.0		112	55-137				
n-Butylbenzene	11		"	10.0		111	79-132				
n-Propylbenzene	11		"	10.0		109	78-133				
o-Xylene	11		"	10.0		107	78-130				
p- & m- Xylenes	19		"	20.0		96.1	77-133				
p-Isopropyltoluene	11		"	10.0		109	81-136				
sec-Butylbenzene	11		"	10.0		114	79-137				
Styrene	10		"	10.0		103	67-132				
tert-Butyl alcohol (TBA)	57		"	50.0		115	25-162				
tert-Butylbenzene	11		"	10.0		106	77-138				
Tetrachloroethylene	7.6		"	10.0		76.5	82-131	Low Bias			
Toluene	10		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		109	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		101	78-131				
trans-1,4-dichloro-2-butene	10		"	10.0		102	63-141				
Trichloroethylene	10		"	10.0		104	82-128				
Trichlorofluoromethane	10		"	10.0		100	67-139				
Vinyl Chloride	11		"	10.0		107	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80792 - EPA 5030B											
LCS Dup (BH80792-BSD1)						Prepared & Analyzed: 08/16/2018					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		102	82-126		0.681	30	
1,1,1-Trichloroethane	10		"	10.0		101	78-136		4.53	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129		3.42	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		107	54-165		8.42	30	
1,1,2-Trichloroethane	9.8		"	10.0		98.2	82-123		1.33	30	
1,1-Dichloroethane	10		"	10.0		105	82-129		3.10	30	
1,1-Dichloroethylene	9.8		"	10.0		98.2	68-138		10.6	30	
1,2,3-Trichlorobenzene	10		"	10.0		104	76-136		5.07	30	
1,2,3-Trichloropropane	9.8		"	10.0		98.3	77-128		4.57	30	
1,2,4-Trichlorobenzene	9.8		"	10.0		98.1	76-137		1.82	30	
1,2,4-Trimethylbenzene	10		"	10.0		102	82-132		2.70	30	
1,2-Dibromo-3-chloropropane	9.9		"	10.0		99.0	45-147		4.06	30	
1,2-Dibromoethane	10		"	10.0		99.8	83-124		0.400	30	
1,2-Dichlorobenzene	9.9		"	10.0		99.2	79-123		1.60	30	
1,2-Dichloroethane	11		"	10.0		106	73-132		0.844	30	
1,2-Dichloropropane	10		"	10.0		101	78-126		0.397	30	
1,3,5-Trimethylbenzene	10		"	10.0		103	80-131		2.87	30	
1,3-Dichlorobenzene	9.8		"	10.0		98.4	86-122		1.51	30	
1,4-Dichlorobenzene	9.8		"	10.0		97.5	85-124		1.43	30	
1,4-Dioxane	170		"	210		81.1	10-349		68.1	30	Non-dir.
2-Butanone	9.6		"	10.0		95.7	49-152		17.5	30	
2-Hexanone	10		"	10.0		105	51-146		2.92	30	
4-Methyl-2-pentanone	11		"	10.0		106	57-145		2.71	30	
Acetone	8.9		"	10.0		89.2	14-150		12.0	30	
Acrolein	18		"	10.0		178	10-153	High Bias	3.38	30	
Acrylonitrile	7.6		"	10.0		76.2	51-150		10.7	30	
Benzene	10		"	10.0		101	85-126		1.18	30	
Bromochloromethane	10		"	10.0		104	77-128		1.53	30	
Bromodichloromethane	10		"	10.0		101	79-128		0.596	30	
Bromoform	9.8		"	10.0		98.4	78-133		1.21	30	
Bromomethane	9.5		"	10.0		94.6	43-168		5.35	30	
Carbon disulfide	11		"	10.0		113	68-146		6.36	30	
Carbon tetrachloride	10		"	10.0		104	77-141		4.89	30	
Chlorobenzene	10		"	10.0		101	88-120		1.08	30	
Chloroethane	9.1		"	10.0		90.8	65-136		5.67	30	
Chloroform	10		"	10.0		100	82-128		1.39	30	
Chloromethane	10		"	10.0		102	43-155		1.85	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		1.24	30	
cis-1,3-Dichloropropylene	10		"	10.0		101	80-131		0.494	30	
Cyclohexane	11		"	10.0		110	63-149		5.51	30	
Dibromochloromethane	10		"	10.0		102	80-130		2.18	30	
Dibromomethane	10		"	10.0		100	72-134		0.598	30	
Dichlorodifluoromethane	13		"	10.0		132	44-144		6.65	30	
Ethyl Benzene	11		"	10.0		105	80-131		1.70	30	
Hexachlorobutadiene	10		"	10.0		104	67-146		2.94	30	
Isopropylbenzene	10		"	10.0		102	76-140		2.61	30	
Methyl acetate	9.2		"	10.0		92.3	51-139		9.79	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		108	76-135		2.01	30	
Methylcyclohexane	11		"	10.0		107	72-143		4.31	30	
Methylene chloride	11		"	10.0		106	55-137		5.40	30	
n-Butylbenzene	11		"	10.0		108	79-132		2.74	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80792 - EPA 5030B

LCS Dup (BH80792-BSD1)

Prepared & Analyzed: 08/16/2018

n-Propylbenzene	10		ug/L	10.0		105	78-133		3.75	30
o-Xylene	11		"	10.0		106	78-130		1.69	30
p- & m- Xylenes	19		"	20.0		94.3	77-133		1.89	30
p-Isopropyltoluene	10		"	10.0		105	81-136		3.65	30
sec-Butylbenzene	11		"	10.0		109	79-137		4.23	30
Styrene	10		"	10.0		100	67-132		2.17	30
tert-Butyl alcohol (TBA)	43		"	50.0		86.2	25-162		28.4	30
tert-Butylbenzene	10		"	10.0		103	77-138		3.73	30
Tetrachloroethylene	7.4		"	10.0		73.9	82-131	Low Bias	3.46	30
Toluene	10		"	10.0		102	80-127		2.13	30
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132		3.36	30
trans-1,3-Dichloropropylene	10		"	10.0		101	78-131		0.198	30
trans-1,4-dichloro-2-butene	10		"	10.0		99.9	63-141		1.98	30
Trichloroethylene	10		"	10.0		101	82-128		2.24	30
Trichlorofluoromethane	9.3		"	10.0		92.9	67-139		7.56	30
Vinyl Chloride	10		"	10.0		100	58-145		6.19	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>69-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>81-117</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.98</i>		<i>"</i>	<i>10.0</i>		<i>99.8</i>	<i>79-122</i>			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80648 - EPA 3510C

Blank (BH80648-BLK1)

Prepared & Analyzed: 08/14/2018

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2,4-Trichlorobenzene	ND	5.00	"
1,2-Dichlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
1,4-Dichlorobenzene	ND	5.00	"
2,3,4,6-Tetrachlorophenol	ND	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acenaphthene	ND	0.0500	"
Acenaphthylene	ND	0.0500	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	20.0	"
Benzo(a)anthracene	ND	0.0500	"
Benzo(a)pyrene	ND	0.0500	"
Benzo(b)fluoranthene	ND	0.0500	"
Benzo(g,h,i)perylene	ND	0.0500	"
Benzo(k)fluoranthene	ND	0.0500	"
Benzoic acid	ND	50.0	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80648 - EPA 3510C

Blank (BH80648-BLK1)

Prepared & Analyzed: 08/14/2018

Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: 2-Fluorophenol	25.3		"	50.0		50.5	19.7-63.1				
Surrogate: Phenol-d5	13.3		"	50.0		26.6	10.1-41.7				
Surrogate: Nitrobenzene-d5	20.4		"	25.0		81.7	50.2-113				
Surrogate: 2-Fluorobiphenyl	26.1		"	25.0		105	39.9-105				
Surrogate: 2,4,6-Tribromophenol	50.6		"	50.0		101	39.3-151				
Surrogate: Terphenyl-d14	27.8		"	25.0		111	30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80648 - EPA 3510C

Blank (BH80648-BLK2)

Prepared & Analyzed: 08/14/2018

Acenaphthene	ND	0.0500	ug/L
Acenaphthylene	ND	0.0500	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
Benzo(a)anthracene	ND	0.0500	"
Benzo(a)pyrene	ND	0.0500	"
Benzo(b)fluoranthene	ND	0.0500	"
Benzo(g,h,i)perylene	ND	0.0500	"
Benzo(k)fluoranthene	ND	0.0500	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"
Chrysene	ND	0.0500	"
Dibenzo(a,h)anthracene	ND	0.0500	"
Fluoranthene	ND	0.0500	"
Fluorene	ND	0.0500	"
Hexachlorobenzene	ND	0.0200	"
Hexachlorobutadiene	ND	0.500	"
Hexachloroethane	ND	0.500	"
Indeno(1,2,3-cd)pyrene	ND	0.0500	"
Naphthalene	ND	0.0500	"
Nitrobenzene	ND	0.250	"
N-Nitrosodimethylamine	ND	0.500	"
Pentachlorophenol	ND	0.250	"
Phenanthrene	ND	0.0500	"
Pyrene	ND	0.0500	"

LCS (BH80648-BS1)

Prepared & Analyzed: 08/14/2018

1,1-Biphenyl	21.8	5.00	ug/L	25.0	87.2	21-102	
1,2,4,5-Tetrachlorobenzene	22.7	5.00	"	25.0	90.8	28-105	
1,2,4-Trichlorobenzene	24.0	5.00	"	25.0	96.2	35-91	High Bias
1,2-Dichlorobenzene	21.1	5.00	"	25.0	84.6	42-85	
1,2-Diphenylhydrazine (as Azobenzene)	21.0	5.00	"	25.0	84.0	16-137	
1,3-Dichlorobenzene	20.0	5.00	"	25.0	79.8	45-80	
1,4-Dichlorobenzene	17.9	5.00	"	25.0	71.6	42-82	
2,3,4,6-Tetrachlorophenol	48.3	5.00	"	25.0	193	30-130	High Bias
2,4,5-Trichlorophenol	25.7	5.00	"	25.0	103	36-112	
2,4,6-Trichlorophenol	25.2	5.00	"	25.0	101	41-107	
2,4-Dichlorophenol	27.4	5.00	"	25.0	110	43-92	High Bias
2,4-Dimethylphenol	23.2	5.00	"	25.0	92.8	25-92	High Bias
2,4-Dinitrophenol	35.4	5.00	"	25.0	141	10-149	
2,4-Dinitrotoluene	24.3	5.00	"	25.0	97.0	41-114	
2,6-Dinitrotoluene	24.1	5.00	"	25.0	96.3	49-106	
2-Chloronaphthalene	22.0	5.00	"	25.0	88.0	40-96	
2-Chlorophenol	20.0	5.00	"	25.0	80.1	35-84	
2-Methylnaphthalene	23.6	5.00	"	25.0	94.3	33-101	
2-Methylphenol	16.9	5.00	"	25.0	67.5	10-90	
2-Nitroaniline	20.2	5.00	"	25.0	80.7	31-122	
2-Nitrophenol	24.2	5.00	"	25.0	96.9	37-97	
3- & 4-Methylphenols	14.0	5.00	"	25.0	56.0	10-101	
3,3-Dichlorobenzidine	23.6	5.00	"	25.0	94.3	25-155	
3-Nitroaniline	17.5	5.00	"	25.0	70.0	29-128	
4,6-Dinitro-2-methylphenol	29.9	5.00	"	25.0	119	10-135	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80648 - EPA 3510C											
LCS (BH80648-BS1)						Prepared & Analyzed: 08/14/2018					
4-Bromophenyl phenyl ether	23.4	5.00	ug/L	25.0		93.5	38-116				
4-Chloro-3-methylphenol	22.4	5.00	"	25.0		89.7	28-101				
4-Chloroaniline	13.9	5.00	"	25.0		55.8	10-154				
4-Chlorophenyl phenyl ether	23.1	5.00	"	25.0		92.3	34-112				
4-Nitroaniline	18.2	5.00	"	25.0		72.8	15-143				
4-Nitrophenol	10.2	5.00	"	25.0		40.8	10-112				
Acenaphthene	19.5	0.0500	"	25.0		78.1	24-114				
Acenaphthylene	20.0	0.0500	"	25.0		80.0	26-112				
Acetophenone	20.0	5.00	"	25.0		79.9	47-92				
Aniline	7.41	5.00	"	25.0		29.6	10-107				
Anthracene	20.3	0.0500	"	25.0		81.1	35-114				
Atrazine	25.4	0.500	"	25.0		101	43-101				
Benzaldehyde	21.6	5.00	"	25.0		86.4	17-117				
Benzo(a)anthracene	23.9	0.0500	"	25.0		95.7	38-127				
Benzo(a)pyrene	24.1	0.0500	"	25.0		96.5	30-146				
Benzo(b)fluoranthene	24.7	0.0500	"	25.0		98.7	36-145				
Benzo(g,h,i)perylene	20.0	0.0500	"	25.0		80.1	10-163				
Benzo(k)fluoranthene	22.6	0.0500	"	25.0		90.4	16-149				
Benzoic acid	ND	50.0	"	25.4			30-130	Low Bias			
Benzyl alcohol	15.5	5.00	"	25.0		62.1	18-75				
Benzyl butyl phthalate	23.5	5.00	"	25.0		94.0	28-129				
Bis(2-chloroethoxy)methane	23.3	5.00	"	25.0		93.4	27-112				
Bis(2-chloroethyl)ether	18.1	5.00	"	25.0		72.6	24-114				
Bis(2-chloroisopropyl)ether	20.3	5.00	"	25.0		81.1	21-124				
Bis(2-ethylhexyl)phthalate	23.3	0.500	"	25.0		93.2	10-171				
Caprolactam	4.53	5.00	"	25.0		18.1	10-29				
Carbazole	24.4	5.00	"	25.0		97.5	49-116				
Chrysene	21.7	0.0500	"	25.0		86.8	33-120				
Dibenzo(a,h)anthracene	21.4	0.0500	"	25.0		85.5	10-149				
Dibenzofuran	22.3	5.00	"	25.0		89.0	42-105				
Diethyl phthalate	23.6	5.00	"	25.0		94.3	38-112				
Dimethyl phthalate	23.1	5.00	"	25.0		92.4	49-106				
Di-n-butyl phthalate	20.4	5.00	"	25.0		81.7	36-110				
Di-n-octyl phthalate	23.9	5.00	"	25.0		95.6	12-149				
Fluoranthene	20.8	0.0500	"	25.0		83.0	33-126				
Fluorene	20.2	0.0500	"	25.0		80.7	28-117				
Hexachlorobenzene	19.4	0.0200	"	25.0		77.8	27-120				
Hexachlorobutadiene	23.5	0.500	"	25.0		93.9	25-106				
Hexachlorocyclopentadiene	12.8	5.00	"	25.0		51.2	10-99				
Hexachloroethane	17.5	0.500	"	25.0		70.0	33-84				
Indeno(1,2,3-cd)pyrene	21.3	0.0500	"	25.0		85.2	10-150				
Isophorone	22.2	5.00	"	25.0		88.6	29-115				
Naphthalene	19.6	0.0500	"	25.0		78.3	30-99				
Nitrobenzene	21.5	0.250	"	25.0		86.2	32-113				
N-Nitrosodimethylamine	11.1	0.500	"	25.0		44.2	10-63				
N-nitroso-di-n-propylamine	20.5	5.00	"	25.0		81.9	36-118				
N-Nitrosodiphenylamine	27.0	5.00	"	25.0		108	27-145				
Pentachlorophenol	25.3	0.250	"	25.0		101	19-127				
Phenanthrene	20.4	0.0500	"	25.0		81.4	31-112				
Phenol	8.00	5.00	"	25.0		32.0	10-37				
Pyrene	23.0	0.0500	"	25.0		92.0	42-125				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80648 - EPA 3510C

LCS (BH80648-BS1)

Prepared & Analyzed: 08/14/2018

Surrogate: 2-Fluorophenol	29.4		ug/L	50.0		58.7	19.7-63.1			
Surrogate: Phenol-d5	15.2		"	50.0		30.5	10.1-41.7			
Surrogate: Nitrobenzene-d5	21.8		"	25.0		87.3	50.2-113			
Surrogate: 2-Fluorobiphenyl	26.1		"	25.0		104	39.9-105			
Surrogate: 2,4,6-Tribromophenol	60.2		"	50.0		120	39.3-151			
Surrogate: Terphenyl-d14	29.7		"	25.0		119	30.7-106			

LCS (BH80648-BS2)

Prepared & Analyzed: 08/14/2018

Acenaphthene	0.780	0.0500	ug/L	1.00		78.0	24-114			
Acenaphthylene	0.810	0.0500	"	1.00		81.0	26-112			
Anthracene	0.850	0.0500	"	1.00		85.0	35-114			
Atrazine	ND	0.500	"				43-101			
Benzo(a)anthracene	0.900	0.0500	"	1.00		90.0	38-127			
Benzo(a)pyrene	0.900	0.0500	"	1.00		90.0	30-146			
Benzo(b)fluoranthene	0.910	0.0500	"	1.00		91.0	36-145			
Benzo(g,h,i)perylene	0.970	0.0500	"	1.00		97.0	10-163			
Benzo(k)fluoranthene	0.900	0.0500	"	1.00		90.0	16-149			
Bis(2-ethylhexyl)phthalate	0.710	0.500	"	1.00		71.0	10-171			
Chrysene	0.820	0.0500	"	1.00		82.0	33-120			
Dibenzo(a,h)anthracene	0.960	0.0500	"	1.00		96.0	10-149			
Fluoranthene	0.980	0.0500	"	1.00		98.0	33-126			
Fluorene	0.890	0.0500	"	1.00		89.0	28-117			
Hexachlorobenzene	1.03	0.0200	"	1.00		103	27-120			
Hexachlorobutadiene	0.800	0.500	"	1.00		80.0	25-106			
Hexachloroethane	0.600	0.500	"	1.00		60.0	33-84			
Indeno(1,2,3-cd)pyrene	0.960	0.0500	"	1.00		96.0	10-150			
Naphthalene	0.800	0.0500	"	1.00		80.0	30-99			
Nitrobenzene	0.870	0.250	"	1.00		87.0	32-113			
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-63	Low Bias		
Pentachlorophenol	1.17	0.250	"	1.00		117	19-127			
Phenanthrene	0.900	0.0500	"	1.00		90.0	31-112			
Pyrene	0.870	0.0500	"	1.00		87.0	42-125			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80648 - EPA 3510C											
LCS Dup (BH80648-BSD1)						Prepared & Analyzed: 08/14/2018					
1,1-Biphenyl	21.6	5.00	ug/L	25.0		86.4	21-102		0.922	20	
1,2,4,5-Tetrachlorobenzene	26.6	5.00	"	25.0		106	28-105	High Bias	15.6	20	
1,2,4-Trichlorobenzene	26.6	5.00	"	25.0		107	35-91	High Bias	10.3	20	
1,2-Dichlorobenzene	20.6	5.00	"	25.0		82.3	42-85		2.73	20	
1,2-Diphenylhydrazine (as Azobenzene)	18.0	5.00	"	25.0		71.8	16-137		15.6	20	
1,3-Dichlorobenzene	22.4	5.00	"	25.0		89.4	45-80	High Bias	11.3	20	
1,4-Dichlorobenzene	18.2	5.00	"	25.0		72.9	42-82		1.72	20	
2,3,4,6-Tetrachlorophenol	54.2	5.00	"	25.0		217	30-130	High Bias	11.6	20	
2,4,5-Trichlorophenol	25.2	5.00	"	25.0		101	36-112		1.93	20	
2,4,6-Trichlorophenol	26.8	5.00	"	25.0		107	41-107		6.08	20	
2,4-Dichlorophenol	27.9	5.00	"	25.0		112	43-92	High Bias	1.77	20	
2,4-Dimethylphenol	21.4	5.00	"	25.0		85.8	25-92		7.88	20	
2,4-Dinitrophenol	39.8	5.00	"	25.0		159	10-149	High Bias	11.8	20	
2,4-Dinitrotoluene	27.3	5.00	"	25.0		109	41-114		11.9	20	
2,6-Dinitrotoluene	25.7	5.00	"	25.0		103	49-106		6.35	20	
2-Chloronaphthalene	22.1	5.00	"	25.0		88.3	40-96		0.363	20	
2-Chlorophenol	20.4	5.00	"	25.0		81.6	35-84		1.88	20	
2-Methylnaphthalene	22.4	5.00	"	25.0		89.8	33-101		4.91	20	
2-Methylphenol	15.5	5.00	"	25.0		62.1	10-90		8.34	20	
2-Nitroaniline	22.8	5.00	"	25.0		91.1	31-122		12.1	20	
2-Nitrophenol	24.6	5.00	"	25.0		98.5	37-97	High Bias	1.68	20	
3- & 4-Methylphenols	14.4	5.00	"	25.0		57.6	10-101		2.82	20	
3,3-Dichlorobenzidine	23.0	5.00	"	25.0		92.2	25-155		2.23	20	
3-Nitroaniline	17.9	5.00	"	25.0		71.6	29-128		2.37	20	
4,6-Dinitro-2-methylphenol	31.0	5.00	"	25.0		124	10-135		3.68	20	
4-Bromophenyl phenyl ether	23.8	5.00	"	25.0		95.3	38-116		1.86	20	
4-Chloro-3-methylphenol	25.3	5.00	"	25.0		101	28-101		11.9	20	
4-Chloroaniline	14.1	5.00	"	25.0		56.4	10-154		1.07	20	
4-Chlorophenyl phenyl ether	26.5	5.00	"	25.0		106	34-112		13.8	20	
4-Nitroaniline	18.3	5.00	"	25.0		73.4	15-143		0.821	20	
4-Nitrophenol	10.8	5.00	"	25.0		43.2	10-112		5.71	20	
Acenaphthene	19.8	0.0500	"	25.0		79.0	24-114		1.22	20	
Acenaphthylene	21.1	0.0500	"	25.0		84.6	26-112		5.49	20	
Acetophenone	21.0	5.00	"	25.0		84.0	47-92		5.03	20	
Aniline	8.65	5.00	"	25.0		34.6	10-107		15.4	20	
Anthracene	20.8	0.0500	"	25.0		83.1	35-114		2.48	20	
Atrazine	25.0	0.500	"	25.0		99.9	43-101		1.47	20	
Benzaldehyde	24.3	5.00	"	25.0		97.2	17-117		11.7	20	
Benzo(a)anthracene	22.3	0.0500	"	25.0		89.0	38-127		7.19	20	
Benzo(a)pyrene	23.3	0.0500	"	25.0		93.0	30-146		3.63	20	
Benzo(b)fluoranthene	24.1	0.0500	"	25.0		96.4	36-145		2.38	20	
Benzo(g,h,i)perylene	22.4	0.0500	"	25.0		89.6	10-163		11.3	20	
Benzo(k)fluoranthene	23.9	0.0500	"	25.0		95.6	16-149		5.68	20	
Benzoic acid	ND	50.0	"	25.4			30-130	Low Bias		20	
Benzyl alcohol	15.3	5.00	"	25.0		61.2	18-75		1.56	20	
Benzyl butyl phthalate	22.6	5.00	"	25.0		90.4	28-129		3.86	20	
Bis(2-chloroethoxy)methane	24.2	5.00	"	25.0		96.6	27-112		3.41	20	
Bis(2-chloroethyl)ether	20.6	5.00	"	25.0		82.2	24-114		12.5	20	
Bis(2-chloroisopropyl)ether	19.1	5.00	"	25.0		76.5	21-124		5.84	20	
Bis(2-ethylhexyl)phthalate	22.8	0.500	"	25.0		91.1	10-171		2.30	20	
Caprolactam	4.91	5.00	"	25.0		19.6	10-29		8.05	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

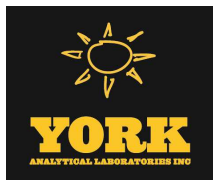
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80648 - EPA 3510C

LCS Dup (BH80648-BSD1)

Prepared & Analyzed: 08/14/2018

Carbazole	25.6	5.00	ug/L	25.0		102	49-116		4.96	20	
Chrysene	20.2	0.0500	"	25.0		81.0	33-120		6.91	20	
Dibenzo(a,h)anthracene	23.1	0.0500	"	25.0		92.4	10-149		7.78	20	
Dibenzofuran	23.6	5.00	"	25.0		94.2	42-105		5.63	20	
Diethyl phthalate	25.3	5.00	"	25.0		101	38-112		6.92	20	
Dimethyl phthalate	24.5	5.00	"	25.0		97.8	49-106		5.72	20	
Di-n-butyl phthalate	22.3	5.00	"	25.0		89.4	36-110		8.98	20	
Di-n-octyl phthalate	22.0	5.00	"	25.0		88.0	12-149		8.28	20	
Fluoranthene	23.8	0.0500	"	25.0		95.3	33-126		13.8	20	
Fluorene	23.6	0.0500	"	25.0		94.3	28-117		15.6	20	
Hexachlorobenzene	21.0	0.0200	"	25.0		84.0	27-120		7.62	20	
Hexachlorobutadiene	25.0	0.500	"	25.0		100	25-106		6.31	20	
Hexachlorocyclopentadiene	14.2	5.00	"	25.0		56.9	10-99		10.5	20	
Hexachloroethane	18.8	0.500	"	25.0		75.1	33-84		7.11	20	
Indeno(1,2,3-cd)pyrene	23.7	0.0500	"	25.0		94.8	10-150		10.7	20	
Isophorone	23.1	5.00	"	25.0		92.2	29-115		3.98	20	
Naphthalene	19.0	0.0500	"	25.0		76.0	30-99		2.95	20	
Nitrobenzene	20.6	0.250	"	25.0		82.4	32-113		4.51	20	
N-Nitrosodimethylamine	12.4	0.500	"	25.0		49.6	10-63		11.3	20	
N-nitroso-di-n-propylamine	20.9	5.00	"	25.0		83.6	36-118		2.08	20	
N-Nitrosodiphenylamine	26.7	5.00	"	25.0		107	27-145		0.968	20	
Pentachlorophenol	27.3	0.250	"	25.0		109	19-127		7.53	20	
Phenanthrene	22.4	0.0500	"	25.0		89.8	31-112		9.77	20	
Phenol	7.61	5.00	"	25.0		30.4	10-37		5.00	20	
Pyrene	21.5	0.0500	"	25.0		86.0	42-125		6.83	20	
Surrogate: 2-Fluorophenol	29.4		"	50.0		58.9	19.7-63.1				
Surrogate: Phenol-d5	15.9		"	50.0		31.8	10.1-41.7				
Surrogate: Nitrobenzene-d5	23.8		"	25.0		95.0	50.2-113				
Surrogate: 2-Fluorobiphenyl	26.1		"	25.0		104	39.9-105				
Surrogate: 2,4,6-Tribromophenol	60.7		"	50.0		121	39.3-151				
Surrogate: Terphenyl-d14	29.4		"	25.0		118	30.7-106				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80646 - EPA SW846-3510C Low Level

Blank (BH80646-BLK1)

Prepared: 08/14/2018 Analyzed: 08/15/2018

4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0200	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Decachlorobiphenyl	0.111		"	0.201		55.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.105		"	0.202		51.9	30-150				

LCS (BH80646-BS1)

Prepared: 08/14/2018 Analyzed: 08/15/2018

4,4'-DDD	0.119	0.00400	ug/L	0.100		119	40-140				
4,4'-DDE	0.105	0.00400	"	0.100		105	40-140				
4,4'-DDT	0.119	0.00400	"	0.100		119	40-140				
Aldrin	0.105	0.00400	"	0.100		105	40-140				
alpha-BHC	0.115	0.00400	"	0.100		115	40-140				
alpha-Chlordane	0.103	0.00400	"	0.100		103	40-140				
beta-BHC	0.0985	0.00400	"	0.100		98.5	40-140				
delta-BHC	0.119	0.00400	"	0.100		119	40-140				
Dieldrin	0.0923	0.00200	"	0.100		92.3	40-140				
Endosulfan I	0.105	0.00400	"	0.100		105	40-140				
Endosulfan II	0.112	0.00400	"	0.100		112	40-140				
Endosulfan sulfate	0.110	0.00400	"	0.100		110	40-140				
Endrin	0.114	0.00400	"	0.100		114	40-140				
Endrin aldehyde	0.110	0.0100	"	0.100		110	40-140				
Endrin ketone	0.109	0.0100	"	0.100		109	40-140				
gamma-BHC (Lindane)	0.115	0.00400	"	0.100		115	40-140				
gamma-Chlordane	0.102	0.0100	"	0.100		102	40-140				
Heptachlor	0.0987	0.00400	"	0.100		98.7	40-140				
Heptachlor epoxide	0.0973	0.00400	"	0.100		97.3	40-140				
Methoxychlor	0.105	0.00400	"	0.100		105	40-140				
Surrogate: Decachlorobiphenyl	0.182		"	0.201		90.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.174		"	0.202		86.3	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch Y8H1603 - BH80158

Performance Mix (Y8H1603-PEM1)

Prepared & Analyzed: 08/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.571		"	0.00			0-200			
4,4'-DDT	277		"	200		138	0-200			
Endrin	167		"	100		167	0-200			
Endrin aldehyde	2.72		"	0.00			0-200			
Endrin ketone	8.53		"	0.00			0-200			

Performance Mix (Y8H1603-PEM2)

Prepared & Analyzed: 08/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.496		"	0.00			0-200			
4,4'-DDT	316		"	200		158	0-200			
Endrin	185		"	100		185	0-200			
Endrin aldehyde	1.70		"	0.00			0-200			
Endrin ketone	7.15		"	0.00			0-200			

Batch Y8H2015 - BH80158

Performance Mix (Y8H2015-PEM1)

Prepared & Analyzed: 08/17/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.766		"	0.00			0-200			
4,4'-DDT	311		"	200		156	0-200			
Endrin	189		"	100		189	0-200			
Endrin aldehyde	2.18		"	0.00			0-200			
Endrin ketone	9.22		"	0.00			0-200			

Performance Mix (Y8H2015-PEM2)

Prepared & Analyzed: 08/17/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.867		"	0.00			0-200			
4,4'-DDT	288		"	200		144	0-200			
Endrin	193		"	100		193	0-200			
Endrin aldehyde	2.52		"	0.00			0-200			
Endrin ketone	10.7		"	0.00			0-200			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch Y8H2015 - BH80158

Performance Mix (Y8H2015-PEM3)

Prepared: 08/17/2018 Analyzed: 08/18/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.939		"	0.00			0-200				
4,4'-DDT	292		"	200		146	0-200				
Endrin	200		"	100		200	0-200				
Endrin aldehyde	2.87		"	0.00			0-200				
Endrin ketone	10.4		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80646 - EPA SW846-3510C Low Level											
Blank (BH80646-BLK2)						Prepared & Analyzed: 08/14/2018					
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	0.202		"	0.202		100	30-120				
Surrogate: Decachlorobiphenyl	0.173		"	0.201		86.1	30-120				
LCS (BH80646-BS2)						Prepared & Analyzed: 08/14/2018					
Aroclor 1016	1.11	0.0500	ug/L	1.00		111	40-120				
Aroclor 1260	1.07	0.0500	"	1.00		107	40-120				
Surrogate: Tetrachloro-m-xylene	0.202		"	0.202		100	30-120				
Surrogate: Decachlorobiphenyl	0.167		"	0.201		83.1	30-120				
LCS Dup (BH80646-BSD2)						Prepared: 08/14/2018 Analyzed: 08/15/2018					
Aroclor 1016	1.06	0.0500	ug/L	1.00		106	40-120		4.82	30	
Aroclor 1260	1.24	0.0500	"	1.00		124	40-120	High Bias	14.4	30	
Surrogate: Tetrachloro-m-xylene	0.222		"	0.202		110	30-120				
Surrogate: Decachlorobiphenyl	0.231		"	0.201		115	30-120				



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80751 - EPA 3015A

Blank (BH80751-BLK1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum	ND	10.0	ug/L
Antimony	ND	1.00	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.300	"
Cadmium	ND	0.500	"
Chromium	ND	1.00	"
Cobalt	ND	1.00	"
Copper	ND	1.00	"
Iron	74.4	10.0	"
Lead	ND	1.00	"
Manganese	ND	1.00	"
Nickel	ND	1.00	"
Selenium	ND	1.00	"
Silver	ND	1.00	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.00	"

LCS (BH80751-BS1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum	2260	ug/L	2500	90.3	80-120
Antimony	49.8	"	50.0	99.6	80-120
Arsenic	46.1	"	50.0	92.2	80-120
Barium	45.7	"	50.0	91.3	80-120
Beryllium	45.9	"	50.0	91.9	80-120
Cadmium	47.5	"	50.0	95.1	80-120
Chromium	46.1	"	50.0	92.2	80-120
Cobalt	45.0	"	50.0	90.0	80-120
Copper	46.8	"	50.0	93.7	80-120
Iron	2370	"	2500	94.7	80-120
Lead	49.1	"	50.0	98.3	80-120
Manganese	44.5	"	50.0	88.9	80-120
Nickel	47.0	"	50.0	94.0	80-120
Selenium	40.3	"	50.0	80.7	80-120
Silver	48.1	"	50.0	96.2	80-120
Thallium	47.4	"	50.0	94.9	80-120
Vanadium	44.6	"	50.0	89.2	80-120
Zinc	45.5	"	50.0	90.9	80-120



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80752 - EPA 3015A

Blank (BH80752-BLK1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum - Dissolved	ND	10.0	ug/L
Antimony - Dissolved	ND	1.00	"
Arsenic - Dissolved	ND	1.00	"
Barium - Dissolved	ND	1.00	"
Beryllium - Dissolved	ND	0.300	"
Cadmium - Dissolved	ND	0.500	"
Chromium - Dissolved	ND	1.00	"
Cobalt - Dissolved	ND	1.00	"
Copper - Dissolved	ND	1.00	"
Iron - Dissolved	ND	10.0	"
Lead - Dissolved	ND	1.00	"
Manganese - Dissolved	ND	1.00	"
Nickel - Dissolved	ND	1.00	"
Selenium - Dissolved	ND	1.00	"
Silver - Dissolved	ND	1.00	"
Thallium - Dissolved	ND	1.00	"
Vanadium - Dissolved	ND	1.00	"
Zinc - Dissolved	ND	1.00	"

LCS (BH80752-BS1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum - Dissolved	2080	ug/L	2500	83.0	80-120
Antimony - Dissolved	48.0	"	50.0	96.0	80-120
Arsenic - Dissolved	43.8	"	50.0	87.6	80-120
Barium - Dissolved	46.2	"	50.0	92.5	80-120
Beryllium - Dissolved	45.3	"	50.0	90.7	80-120
Cadmium - Dissolved	45.1	"	50.0	90.1	80-120
Chromium - Dissolved	43.7	"	50.0	87.5	80-120
Cobalt - Dissolved	42.2	"	50.0	84.5	80-120
Copper - Dissolved	44.4	"	50.0	88.7	80-120
Iron - Dissolved	2310	"	2500	92.5	80-120
Lead - Dissolved	48.7	"	50.0	97.3	80-120
Manganese - Dissolved	44.7	"	50.0	89.5	80-120
Nickel - Dissolved	44.8	"	50.0	89.6	80-120
Selenium - Dissolved	43.8	"	50.0	87.6	80-120
Silver - Dissolved	46.3	"	50.0	92.5	80-120
Thallium - Dissolved	47.5	"	50.0	95.0	80-120
Vanadium - Dissolved	41.0	"	50.0	82.1	80-120
Zinc - Dissolved	44.4	"	50.0	88.8	80-120



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80937 - EPA 7473 water

Blank (BH80937-BLK1)

Prepared & Analyzed: 08/20/2018

Mercury	ND	0.20	ug/L

Reference (BH80937-SRM1)

Prepared & Analyzed: 08/20/2018

Mercury	0.0103		mg/L	0.0100		103	70-130

Batch BH80938 - EPA 7473 water

Blank (BH80938-BLK1)

Prepared & Analyzed: 08/20/2018

Mercury - Dissolved	ND	0.0002000	mg/L

Reference (BH80938-SRM1)

Prepared & Analyzed: 08/20/2018

Mercury - Dissolved	0.009593		mg/L	0.0100		95.9	70-130



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H0567-01	SB-5 (GW)	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QL-02	This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
M-ISO	The ICP/MS result reported for this element used an alternate isotope due to molecular interferences encountered with the sample matrix.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
EXT-D	The sample submitted contained sediment. The aqueous portion was decanted off, the volume measured and used for the extraction. The sediment was not included in the extraction.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.



Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



Technical Report

prepared for:

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Wendy Monterosso

Report Date: 08/20/2018
Client Project ID: 580 Gerald Ave
York Project (SDG) No.: 18H0548

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/20/2018
Client Project ID: 580 Gerald Ave
York Project (SDG) No.: 18H0548

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Wendy Monterosso

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 13, 2018 and listed below. The project was identified as your project: **580 Gerald Ave.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18H0548-01	SV-1	Soil Vapor	08/10/2018	08/13/2018
18H0548-02	SV-2	Soil Vapor	08/10/2018	08/13/2018
18H0548-03	SV-3	Soil Vapor	08/10/2018	08/13/2018
18H0548-04	SV-4	Soil Vapor	08/10/2018	08/13/2018

General Notes for York Project (SDG) No.: 18H0548

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/20/2018





Sample Information

Client Sample ID: SV-1

York Sample ID: 18H0548-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H0548

580 Gerald Ave

Soil Vapor

August 10, 2018 2:35 pm

08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
71-55-6	1,1,1-Trichloroethane	4.6		ug/m ³	0.84	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.84	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
95-63-6	1,2,4-Trimethylbenzene	8.2		ug/m ³	0.76	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
106-99-0	1,3-Butadiene	4.5		ug/m ³	1.0	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
541-73-1	1,3-Dichlorobenzene	7.7		ug/m ³	0.93	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
78-93-3	2-Butanone	120		ug/m ³	0.46	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS



Sample Information

Client Sample ID: SV-1

York Sample ID: 18H0548-01

York Project (SDG) No.
18H0548

Client Project ID
580 Gerald Ave

Matrix
Soil Vapor

Collection Date/Time
August 10, 2018 2:35 pm

Date Received
08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	2.4	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
108-10-1	4-Methyl-2-pentanone	8.0		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
67-64-1	Acetone	660		ug/m ³	16	34.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/17/2018 14:56	08/17/2018 19:31	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.34	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
71-43-2	Benzene	7.6		ug/m ³	0.49	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.80	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-25-2	Bromoform	ND		ug/m ³	1.6	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.60	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	0.48	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.24	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.41	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
67-66-3	Chloroform	ND		ug/m ³	0.75	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
74-87-3	Chloromethane	ND		ug/m ³	0.32	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.70	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
110-82-7	Cyclohexane	7.2		ug/m ³	0.53	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
100-41-4	Ethyl Benzene	7.5		ug/m ³	0.67	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.6	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS



Sample Information

Client Sample ID: SV-1

York Sample ID: 18H0548-01

York Project (SDG) No.

18H0548

Client Project ID

580 Gerald Ave

Matrix

Soil Vapor

Collection Date/Time

August 10, 2018 2:35 pm

Date Received

08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	140		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.56	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-09-2	Methylene chloride	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
142-82-5	n-Heptane	21		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
110-54-3	n-Hexane	11		ug/m ³	0.54	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
95-47-6	o-Xylene	11		ug/m ³	0.67	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
179601-23-1	p- & m- Xylenes	30		ug/m ³	1.3	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
115-07-1	* Propylene	28		ug/m ³	0.27	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
100-42-5	Styrene	ND		ug/m ³	0.66	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
127-18-4	Tetrachloroethylene	56		ug/m ³	0.26	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
109-99-9	* Tetrahydrofuran	16		ug/m ³	0.91	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
108-88-3	Toluene	26		ug/m ³	0.58	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.61	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.70	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.21	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.87	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.54	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.68	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.099	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	108 %	70-130							



Sample Information

Client Sample ID: SV-2

York Sample ID: 18H0548-02

York Project (SDG) No.

18H0548

Client Project ID

580 Gerald Ave

Matrix

Soil Vapor

Collection Date/Time

August 10, 2018 11:28 am

Date Received

08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications:	08/16/2018 21:14	08/16/2018 21:14	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.84	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.84	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
95-63-6	1,2,4-Trimethylbenzene	10		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	1.0	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications:	08/16/2018 21:14	08/16/2018 21:14	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
78-93-3	2-Butanone	26		ug/m ³	0.46	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.546	EPA TO-15 Certifications:	08/16/2018 21:14	08/16/2018 21:14	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	2.4	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS



Sample Information

Client Sample ID: SV-2

York Sample ID: 18H0548-02

York Project (SDG) No.
18H0548

Client Project ID
580 Gerald Ave

Matrix
Soil Vapor

Collection Date/Time
August 10, 2018 11:28 am

Date Received
08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
67-64-1	Acetone	150		ug/m ³	0.73	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.34	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
71-43-2	Benzene	4.4		ug/m ³	0.49	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.80	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-25-2	Bromoform	ND		ug/m ³	1.6	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.60	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-15-0	Carbon disulfide	12		ug/m ³	0.48	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.24	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.41	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
67-66-3	Chloroform	ND		ug/m ³	0.75	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
74-87-3	Chloromethane	1.6		ug/m ³	0.32	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.70	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
110-82-7	Cyclohexane	3.7		ug/m ³	0.53	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
100-41-4	Ethyl Benzene	7.9		ug/m ³	0.67	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.6	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
67-63-0	Isopropanol	67		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS



Sample Information

Client Sample ID: SV-2

York Sample ID: 18H0548-02

York Project (SDG) No.
18H0548

Client Project ID
580 Gerald Ave

Matrix
Soil Vapor

Collection Date/Time
August 10, 2018 11:28 am

Date Received
08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.56	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-09-2	Methylene chloride	37		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
142-82-5	n-Heptane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
110-54-3	n-Hexane	8.4		ug/m ³	0.54	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
95-47-6	o-Xylene	11		ug/m ³	0.67	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
179601-23-1	p- & m- Xylenes	31		ug/m ³	1.3	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
115-07-1	* Propylene	15		ug/m ³	0.27	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
100-42-5	Styrene	ND		ug/m ³	0.66	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
127-18-4	Tetrachloroethylene	460		ug/m ³	5.6	33.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/17/2018 14:56	08/17/2018 20:17	LDS
109-99-9	* Tetrahydrofuran	5.6		ug/m ³	0.91	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
108-88-3	Toluene	18		ug/m ³	0.58	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.61	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.70	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.21	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.87	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.54	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.68	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.099	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	70-130							



Sample Information

Client Sample ID: SV-3

York Sample ID: 18H0548-03

York Project (SDG) No.
18H0548

Client Project ID
580 Gerald Ave

Matrix
Soil Vapor

Collection Date/Time
August 10, 2018 11:02 am

Date Received
08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications:	08/16/2018 22:12	08/16/2018 22:12	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.84	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.84	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
95-63-6	1,2,4-Trimethylbenzene	47		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
108-67-8	1,3,5-Trimethylbenzene	25		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
106-99-0	1,3-Butadiene	7.8		ug/m ³	1.0	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications:	08/16/2018 22:12	08/16/2018 22:12	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
78-93-3	2-Butanone	62		ug/m ³	0.46	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.546	EPA TO-15 Certifications:	08/16/2018 22:12	08/16/2018 22:12	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	2.4	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS



Sample Information

Client Sample ID: SV-3

York Sample ID: 18H0548-03

York Project (SDG) No.
18H0548

Client Project ID
580 Gerald Ave

Matrix
Soil Vapor

Collection Date/Time
August 10, 2018 11:02 am

Date Received
08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	8.8		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
67-64-1	Acetone	180		ug/m ³	8.2	17.33	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/17/2018 14:56	08/17/2018 21:03	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.34	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
71-43-2	Benzene	23		ug/m ³	0.49	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.80	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-25-2	Bromoform	ND		ug/m ³	1.6	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.60	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-15-0	Carbon disulfide	31		ug/m ³	0.48	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.24	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.41	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
67-66-3	Chloroform	4.5		ug/m ³	0.75	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
74-87-3	Chloromethane	3.3		ug/m ³	0.32	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.70	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
110-82-7	Cyclohexane	46		ug/m ³	0.53	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
100-41-4	Ethyl Benzene	22		ug/m ³	0.67	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.6	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
67-63-0	Isopropanol	60		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS



Sample Information

Client Sample ID: SV-3

York Sample ID: 18H0548-03

York Project (SDG) No.

18H0548

Client Project ID

580 Gerald Ave

Matrix

Soil Vapor

Collection Date/Time

August 10, 2018 11:02 am

Date Received

08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	8.4		ug/m ³	0.56	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-09-2	Methylene chloride	6.9		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
142-82-5	n-Heptane	120		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
110-54-3	n-Hexane	75		ug/m ³	0.54	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
95-47-6	o-Xylene	28		ug/m ³	0.67	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
179601-23-1	p- & m- Xylenes	73		ug/m ³	1.3	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
622-96-8	* p-Ethyltoluene	29		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
115-07-1	* Propylene	130	E	ug/m ³	0.27	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
100-42-5	Styrene	ND		ug/m ³	0.66	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
127-18-4	Tetrachloroethylene	44		ug/m ³	0.26	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
109-99-9	* Tetrahydrofuran	22		ug/m ³	0.91	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
108-88-3	Toluene	47		ug/m ³	0.58	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.61	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.70	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.21	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.87	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.54	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.68	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.099	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	70-130							



Sample Information

Client Sample ID: SV-4

York Sample ID: 18H0548-04

York Project (SDG) No.

18H0548

Client Project ID

580 Gerald Ave

Matrix

Soil Vapor

Collection Date/Time

August 10, 2018 11:29 am

Date Received

08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications:	08/16/2018 23:10	08/16/2018 23:10	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.84	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.84	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
95-63-6	1,2,4-Trimethylbenzene	12		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	1.0	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications:	08/16/2018 23:10	08/16/2018 23:10	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
78-93-3	2-Butanone	25		ug/m ³	0.46	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.546	EPA TO-15 Certifications:	08/16/2018 23:10	08/16/2018 23:10	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	2.4	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS



Sample Information

Client Sample ID: SV-4

York Sample ID: 18H0548-04

York Project (SDG) No.
18H0548

Client Project ID
580 Gerald Ave

Matrix
Soil Vapor

Collection Date/Time
August 10, 2018 11:29 am

Date Received
08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	3.5		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
67-64-1	Acetone	110		ug/m ³	0.73	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.34	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
71-43-2	Benzene	3.1		ug/m ³	0.49	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.80	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-25-2	Bromoform	ND		ug/m ³	1.6	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.60	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-15-0	Carbon disulfide	43		ug/m ³	0.48	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.24	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.41	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
67-66-3	Chloroform	ND		ug/m ³	0.75	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
74-87-3	Chloromethane	1.9		ug/m ³	0.32	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.70	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
110-82-7	Cyclohexane	11		ug/m ³	0.53	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
100-41-4	Ethyl Benzene	8.2		ug/m ³	0.67	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.6	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
67-63-0	Isopropanol	47		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS



Sample Information

Client Sample ID: SV-4

York Sample ID: 18H0548-04

York Project (SDG) No.

18H0548

Client Project ID

580 Gerald Ave

Matrix

Soil Vapor

Collection Date/Time

August 10, 2018 11:29 am

Date Received

08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.56	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-09-2	Methylene chloride	6.2		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
142-82-5	n-Heptane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
110-54-3	n-Hexane	11		ug/m ³	0.54	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
95-47-6	o-Xylene	12		ug/m ³	0.67	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
179601-23-1	p- & m- Xylenes	32		ug/m ³	1.3	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
115-07-1	* Propylene	27		ug/m ³	0.27	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
100-42-5	Styrene	ND		ug/m ³	0.66	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
127-18-4	Tetrachloroethylene	35		ug/m ³	0.26	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
109-99-9	* Tetrahydrofuran	6.2		ug/m ³	0.91	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
108-88-3	Toluene	22		ug/m ³	0.58	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.61	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.70	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.21	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.87	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.54	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.68	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.099	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	70-130							



Analytical Batch Summary

Batch ID: BH80908

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
18H0548-01	SV-1	08/16/18
18H0548-02	SV-2	08/16/18
18H0548-03	SV-3	08/16/18
18H0548-04	SV-4	08/16/18
BH80908-BLK1	Blank	08/16/18
BH80908-BS1	LCS	08/16/18

Batch ID: BH80989

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
18H0548-01RE1	SV-1	08/17/18
18H0548-02RE1	SV-2	08/17/18
18H0548-03RE1	SV-3	08/17/18
BH80989-BLK1	Blank	08/17/18
BH80989-BS1	LCS	08/17/18



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80908 - EPA TO15 PREP

Blank (BH80908-BLK1)

Prepared & Analyzed: 08/16/2018

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
1,1,1-Trichloroethane	ND	0.55	"
1,1,2,2-Tetrachloroethane	ND	0.69	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"
1,1,2-Trichloroethane	ND	0.55	"
1,1-Dichloroethane	ND	0.40	"
1,1-Dichloroethylene	ND	0.099	"
1,2,4-Trichlorobenzene	ND	0.74	"
1,2,4-Trimethylbenzene	ND	0.49	"
1,2-Dibromoethane	ND	0.77	"
1,2-Dichlorobenzene	ND	0.60	"
1,2-Dichloroethane	ND	0.40	"
1,2-Dichloropropane	ND	0.46	"
1,2-Dichlorotetrafluoroethane	ND	0.70	"
1,3,5-Trimethylbenzene	ND	0.49	"
1,3-Butadiene	ND	0.66	"
1,3-Dichlorobenzene	ND	0.60	"
1,3-Dichloropropane	ND	0.46	"
1,4-Dichlorobenzene	ND	0.60	"
1,4-Dioxane	ND	0.72	"
2-Butanone	ND	0.29	"
2-Hexanone	ND	0.82	"
3-Chloropropene	ND	1.6	"
4-Methyl-2-pentanone	ND	0.41	"
Acetone	ND	0.48	"
Acrylonitrile	ND	0.22	"
Benzene	ND	0.32	"
Benzyl chloride	ND	0.52	"
Bromodichloromethane	ND	0.67	"
Bromoform	ND	1.0	"
Bromomethane	ND	0.39	"
Carbon disulfide	ND	0.31	"
Carbon tetrachloride	ND	0.16	"
Chlorobenzene	ND	0.46	"
Chloroethane	ND	0.26	"
Chloroform	ND	0.49	"
Chloromethane	ND	0.21	"
cis-1,2-Dichloroethylene	ND	0.099	"
cis-1,3-Dichloropropylene	ND	0.45	"
Cyclohexane	ND	0.34	"
Dibromochloromethane	ND	0.85	"
Dichlorodifluoromethane	ND	0.49	"
Ethyl acetate	ND	0.72	"
Ethyl Benzene	ND	0.43	"
Hexachlorobutadiene	ND	1.1	"
Isopropanol	ND	0.49	"
Methyl Methacrylate	ND	0.41	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"
Methylene chloride	ND	0.69	"
n-Heptane	ND	0.41	"



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80908 - EPA TO15 PREP

Blank (BH80908-BLK1)

Prepared & Analyzed: 08/16/2018

n-Hexane	ND	0.35	ug/m ³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.064	"								

Surrogate: p-Bromofluorobenzene	9.27		ppbv	10.0		92.7	70-130				

LCS (BH80908-BS1)

Prepared & Analyzed: 08/16/2018

1,1,1,2-Tetrachloroethane	9.65		ppbv	10.0		96.5	70-130				
1,1,1-Trichloroethane	10.0		"	10.0		100	70-130				
1,1,2,2-Tetrachloroethane	9.65		"	10.0		96.5	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	70-130				
1,1,2-Trichloroethane	9.25		"	10.0		92.5	70-130				
1,1-Dichloroethane	9.97		"	10.0		99.7	70-130				
1,1-Dichloroethylene	9.01		"	10.0		90.1	70-130				
1,2,4-Trichlorobenzene	9.49		"	10.0		94.9	70-130				
1,2,4-Trimethylbenzene	9.60		"	10.0		96.0	70-130				
1,2-Dibromoethane	9.38		"	10.0		93.8	70-130				
1,2-Dichlorobenzene	10.4		"	10.0		104	70-130				
1,2-Dichloroethane	9.54		"	10.0		95.4	70-130				
1,2-Dichloropropane	8.93		"	10.0		89.3	70-130				
1,2-Dichlorotetrafluoroethane	12.7		"	10.0		127	70-130				
1,3,5-Trimethylbenzene	8.98		"	10.0		89.8	70-130				
1,3-Butadiene	15.8		"	10.0		158	70-130	High Bias			
1,3-Dichlorobenzene	10.8		"	10.0		108	70-130				
1,3-Dichloropropane	8.92		"	10.0		89.2	70-130				
1,4-Dichlorobenzene	11.0		"	10.0		110	70-130				
1,4-Dioxane	8.45		"	10.0		84.5	70-130				
2-Butanone	9.45		"	10.0		94.5	70-130				
2-Hexanone	9.72		"	10.0		97.2	70-130				
3-Chloropropene	9.31		"	10.0		93.1	70-130				
4-Methyl-2-pentanone	9.10		"	10.0		91.0	70-130				
Acetone	8.94		"	10.0		89.4	70-130				
Acrylonitrile	10.4		"	10.0		104	70-130				
Benzene	9.60		"	10.0		96.0	70-130				
Benzyl chloride	10.4		"	10.0		104	70-130				
Bromodichloromethane	9.24		"	10.0		92.4	70-130				
Bromoform	10.2		"	10.0		102	70-130				
Bromomethane	9.77		"	10.0		97.7	70-130				
Carbon disulfide	10.9		"	10.0		109	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80908 - EPA TO15 PREP

LCS (BH80908-BS1)

Prepared & Analyzed: 08/16/2018

Carbon tetrachloride	9.10		ppbv	10.0		91.0	70-130				
Chlorobenzene	9.93		"	10.0		99.3	70-130				
Chloroethane	11.5		"	10.0		115	70-130				
Chloroform	9.92		"	10.0		99.2	70-130				
Chloromethane	13.4		"	10.0		134	70-130	High Bias			
cis-1,2-Dichloroethylene	9.39		"	10.0		93.9	70-130				
cis-1,3-Dichloropropylene	9.32		"	10.0		93.2	70-130				
Cyclohexane	10.1		"	10.0		101	70-130				
Dibromochloromethane	9.30		"	10.0		93.0	70-130				
Dichlorodifluoromethane	9.75		"	10.0		97.5	70-130				
Ethyl acetate	9.65		"	10.0		96.5	70-130				
Ethyl Benzene	9.22		"	10.0		92.2	70-130				
Hexachlorobutadiene	9.36		"	10.0		93.6	70-130				
Isopropanol	11.0		"	10.0		110	70-130				
Methyl Methacrylate	9.22		"	10.0		92.2	70-130				
Methyl tert-butyl ether (MTBE)	17.7		"	10.0		177	70-130	High Bias			
Methylene chloride	9.90		"	10.0		99.0	70-130				
n-Heptane	9.30		"	10.0		93.0	70-130				
n-Hexane	10.2		"	10.0		102	70-130				
o-Xylene	8.89		"	10.0		88.9	70-130				
p- & m- Xylenes	18.7		"	20.0		93.4	70-130				
p-Ethyltoluene	10.0		"	10.0		100	70-130				
Propylene	9.13		"	10.0		91.3	70-130				
Styrene	10.1		"	10.0		101	70-130				
Tetrachloroethylene	9.95		"	10.0		99.5	70-130				
Tetrahydrofuran	9.53		"	10.0		95.3	70-130				
Toluene	8.92		"	10.0		89.2	70-130				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	70-130				
trans-1,3-Dichloropropylene	8.93		"	10.0		89.3	70-130				
Trichloroethylene	8.47		"	10.0		84.7	70-130				
Trichlorofluoromethane (Freon 11)	9.89		"	10.0		98.9	70-130				
Vinyl acetate	14.4		"	10.0		144	70-130	High Bias			
Vinyl bromide	10.8		"	10.0		108	70-130				
Vinyl Chloride	13.0		"	10.0		130	70-130				
Surrogate: p-Bromofluorobenzene	10.3		"	10.0		103	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80989 - EPA TO15 PREP

Blank (BH80989-BLK1)

Prepared & Analyzed: 08/17/2018

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
1,1,1-Trichloroethane	ND	0.55	"
1,1,2,2-Tetrachloroethane	ND	0.69	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"
1,1,2-Trichloroethane	ND	0.55	"
1,1-Dichloroethane	ND	0.40	"
1,1-Dichloroethylene	ND	0.099	"
1,2,4-Trichlorobenzene	ND	0.74	"
1,2,4-Trimethylbenzene	ND	0.49	"
1,2-Dibromoethane	ND	0.77	"
1,2-Dichlorobenzene	ND	0.60	"
1,2-Dichloroethane	ND	0.40	"
1,2-Dichloropropane	ND	0.46	"
1,2-Dichlorotetrafluoroethane	ND	0.70	"
1,3,5-Trimethylbenzene	ND	0.49	"
1,3-Butadiene	ND	0.66	"
1,3-Dichlorobenzene	ND	0.60	"
1,3-Dichloropropane	ND	0.46	"
1,4-Dichlorobenzene	ND	0.60	"
1,4-Dioxane	ND	0.72	"
2-Butanone	ND	0.29	"
2-Hexanone	ND	0.82	"
3-Chloropropene	ND	1.6	"
4-Methyl-2-pentanone	ND	0.41	"
Acetone	ND	0.48	"
Acrylonitrile	ND	0.22	"
Benzene	ND	0.32	"
Benzyl chloride	ND	0.52	"
Bromodichloromethane	ND	0.67	"
Bromoform	ND	1.0	"
Bromomethane	ND	0.39	"
Carbon disulfide	ND	0.31	"
Carbon tetrachloride	ND	0.16	"
Chlorobenzene	ND	0.46	"
Chloroethane	ND	0.26	"
Chloroform	ND	0.49	"
Chloromethane	ND	0.21	"
cis-1,2-Dichloroethylene	ND	0.099	"
cis-1,3-Dichloropropylene	ND	0.45	"
Cyclohexane	ND	0.34	"
Dibromochloromethane	ND	0.85	"
Dichlorodifluoromethane	ND	0.49	"
Ethyl acetate	ND	0.72	"
Ethyl Benzene	ND	0.43	"
Hexachlorobutadiene	ND	1.1	"
Isopropanol	ND	0.49	"
Methyl Methacrylate	ND	0.41	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"
Methylene chloride	ND	0.69	"
n-Heptane	ND	0.41	"
n-Hexane	ND	0.35	"



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80989 - EPA TO15 PREP

Blank (BH80989-BLK1)

Prepared & Analyzed: 08/17/2018

o-Xylene	ND	0.43	ug/m ³
p- & m- Xylenes	ND	0.87	"
p-Ethyltoluene	ND	0.49	"
Propylene	ND	0.17	"
Styrene	ND	0.43	"
Tetrachloroethylene	ND	0.17	"
Tetrahydrofuran	ND	0.59	"
Toluene	ND	0.38	"
trans-1,2-Dichloroethylene	ND	0.40	"
trans-1,3-Dichloropropylene	ND	0.45	"
Trichloroethylene	ND	0.13	"
Trichlorofluoromethane (Freon 11)	ND	0.56	"
Vinyl acetate	ND	0.35	"
Vinyl bromide	ND	0.44	"
Vinyl Chloride	ND	0.064	"

Surrogate: p-Bromofluorobenzene 9.01 ppbv 10.0 90.1 70-130

LCS (BH80989-BS1)

Prepared & Analyzed: 08/17/2018

1,1,1,2-Tetrachloroethane	9.41	ppbv	10.0	94.1	70-130
1,1,1-Trichloroethane	9.89	"	10.0	98.9	70-130
1,1,2,2-Tetrachloroethane	9.43	"	10.0	94.3	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	"	10.0	102	70-130
1,1,2-Trichloroethane	9.14	"	10.0	91.4	70-130
1,1-Dichloroethane	9.87	"	10.0	98.7	70-130
1,1-Dichloroethylene	8.93	"	10.0	89.3	70-130
1,2,4-Trichlorobenzene	9.12	"	10.0	91.2	70-130
1,2,4-Trimethylbenzene	9.37	"	10.0	93.7	70-130
1,2-Dibromoethane	9.20	"	10.0	92.0	70-130
1,2-Dichlorobenzene	10.2	"	10.0	102	70-130
1,2-Dichloroethane	9.45	"	10.0	94.5	70-130
1,2-Dichloropropane	8.83	"	10.0	88.3	70-130
1,2-Dichlorotetrafluoroethane	12.5	"	10.0	125	70-130
1,3,5-Trimethylbenzene	8.67	"	10.0	86.7	70-130
1,3-Butadiene	14.2	"	10.0	142	70-130
1,3-Dichlorobenzene	10.6	"	10.0	106	70-130
1,3-Dichloropropane	8.76	"	10.0	87.6	70-130
1,4-Dichlorobenzene	10.8	"	10.0	108	70-130
1,4-Dioxane	8.32	"	10.0	83.2	70-130
2-Butanone	9.36	"	10.0	93.6	70-130
2-Hexanone	9.53	"	10.0	95.3	70-130
3-Chloropropene	9.23	"	10.0	92.3	70-130
4-Methyl-2-pentanone	8.90	"	10.0	89.0	70-130
Acetone	8.83	"	10.0	88.3	70-130
Acrylonitrile	10.4	"	10.0	104	70-130
Benzene	9.51	"	10.0	95.1	70-130
Benzyl chloride	10.0	"	10.0	100	70-130
Bromodichloromethane	9.09	"	10.0	90.9	70-130
Bromoform	9.95	"	10.0	99.5	70-130
Bromomethane	9.73	"	10.0	97.3	70-130
Carbon disulfide	10.9	"	10.0	109	70-130
Carbon tetrachloride	8.96	"	10.0	89.6	70-130

High Bias



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80989 - EPA TO15 PREP

LCS (BH80989-BS1)

Prepared & Analyzed: 08/17/2018

Chlorobenzene	9.62		ppbv	10.0		96.2	70-130				
Chloroethane	11.3		"	10.0		113	70-130				
Chloroform	9.88		"	10.0		98.8	70-130				
Chloromethane	11.9		"	10.0		119	70-130				
cis-1,2-Dichloroethylene	9.21		"	10.0		92.1	70-130				
cis-1,3-Dichloropropylene	9.20		"	10.0		92.0	70-130				
Cyclohexane	9.92		"	10.0		99.2	70-130				
Dibromochloromethane	9.14		"	10.0		91.4	70-130				
Dichlorodifluoromethane	9.85		"	10.0		98.5	70-130				
Ethyl acetate	9.59		"	10.0		95.9	70-130				
Ethyl Benzene	8.97		"	10.0		89.7	70-130				
Hexachlorobutadiene	9.20		"	10.0		92.0	70-130				
Isopropanol	11.0		"	10.0		110	70-130				
Methyl Methacrylate	9.04		"	10.0		90.4	70-130				
Methyl tert-butyl ether (MTBE)	17.5		"	10.0		175	70-130	High Bias			
Methylene chloride	9.86		"	10.0		98.6	70-130				
n-Heptane	9.17		"	10.0		91.7	70-130				
n-Hexane	10.0		"	10.0		100	70-130				
o-Xylene	8.66		"	10.0		86.6	70-130				
p- & m- Xylenes	18.1		"	20.0		90.5	70-130				
p-Ethyltoluene	9.81		"	10.0		98.1	70-130				
Propylene	9.24		"	10.0		92.4	70-130				
Styrene	9.86		"	10.0		98.6	70-130				
Tetrachloroethylene	9.91		"	10.0		99.1	70-130				
Tetrahydrofuran	9.48		"	10.0		94.8	70-130				
Toluene	8.88		"	10.0		88.8	70-130				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130				
trans-1,3-Dichloropropylene	8.75		"	10.0		87.5	70-130				
Trichloroethylene	8.31		"	10.0		83.1	70-130				
Trichlorofluoromethane (Freon 11)	9.78		"	10.0		97.8	70-130				
Vinyl acetate	14.2		"	10.0		142	70-130	High Bias			
Vinyl bromide	10.6		"	10.0		106	70-130				
Vinyl Chloride	11.7		"	10.0		117	70-130				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	70-130				





Sample and Data Qualifiers Relating to This Work Order

QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to detected analytes only.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.



Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Appendix E

Electronic Database Regulatory Records Search

TOXICS TARGETING

PHASE I

ENVIRONMENTAL DATABASE REPORT

580 GERARD AVENUE
BRONX, NY

MAY 04, 2020

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

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- *How to Use Your Report*
- *Toxic Site Databases Analyzed In Your Report*
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Section Three: Appendices

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

Introduction

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

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

The Three Sections Of Your Report

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

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

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

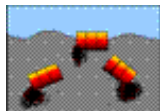
How to Use Your Report

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

Toxic Site Databases Analyzed In Your Report

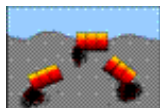
Search Radius

One-Mile



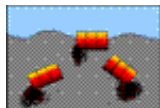
1) ***National Priority List for Federal Superfund Cleanup***: a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Half-Mile



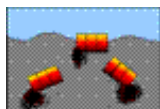
2) ***Delisted National Priority List Sites***: a listing of NPL sites that have been removed from the National Priority List.

One-Mile



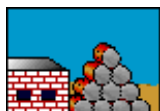
3) ***New York Inactive Hazardous Waste Disposal Site Registry***: a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile



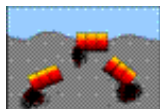
4) ***New York Inactive Hazardous Waste Disposal Site Registry Qualifying***: a state listing of sites that qualify for possible inclusion to the NYS DEC Inactive Haz. Waste Disposal Site Registry.

One-Mile



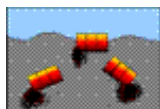
5) ***New York and Federal RCRA Corrective Action Activity (CORRACTS)***: waste facilities with RCRA corrective action activity reported by the USEPA and NYS DEC.

Half-Mile



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

Half-Mile



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

Half-Mile



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

Half-Mile



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

Half-Mile



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

Half-Mile



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

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

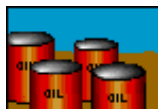
Half-Mile



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

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

Eighth-Mile



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

Eighth-Mile



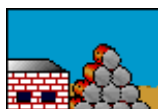
14) ***New York State Petroleum Bulk Storage Facilities:*** sites with more than an 1,100 gallon capacity for storing petroleum products.

Eighth-Mile



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

Eighth-Mile



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

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

Eighth-Mile



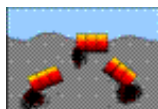
17) ***New York Chemical Bulk Storage Facilities:*** sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Eighth-Mile



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

Half-Mile



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

Eighth-Mile



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

Eighth-Mile



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

Eighth-Mile



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

Eighth-Mile



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

On-site only
(250 ft)



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

Property only



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

Limitations Of The Information In Your Report

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

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

- The digital map used by *Toxics Targeting* is the same one used by the U. S. Census or local authorities in New York City. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;
- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 25 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;
- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in the zip codes searched for the report as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT *TOXICS TARGETING* AND REFER TO THE SITE ID NUMBER.
- New York State Department of Environmental Conservation Remediation Site Borders are approximate and may not align with tax parcel boundaries mapped by local authorities or the digital map used by the US Census Bureau. As a result, Remediation Site Borders may overlap parcels that do not involve site remediation activities. Selected parcels also can involve multiple Remediation Site Borders. Refer to individual site profiles for more information. Sites without profiles include potential new sites or sites that have not yet been publicly listed by DEC.
- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;

- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.
- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One:

Report Summary

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

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 – 100 ft	100 ft – 1/8 mi	1/8 mi – 1/4 mi	1/4 mi – 1/2 mi	1/2 mi – 1 mi	Site Category Totals
ASTM–Required 1 Mile Search						
National Priority List (NPL) Sites	0	0	0	0	0	0
NYS Inactive Hazardous Waste Disposal Site Registry	0	0	0	2	6	8
NYS Inactive Haz Waste Disposal Site Registry Qualifying	0	0	0	0	0	0
RCRA Corrective Action (CORRACTS) Sites	0	0	0	0	0	0
ASTM–Required 1/2 Mile Search						
Delisted National Priority List (NPL) Sites	0	0	0	0	Not searched	0
CERCLIS Superfund Non–NFRAP Sites	0	0	0	0	Not searched	0
CERCLIS Superfund NFRAP Sites	0	0	0	0	Not searched	0
Brownfields Sites						
Voluntary Cleanup Program	0	0	0	1	Not searched	1
Environmental Restoration Program	0	0	0	0	Not searched	0
Brownfield Cleanup Program	0	0	6	5	Not searched	11
NYC Voluntary Cleanup Program	0	0	1	3	Not searched	4
NYSDEC Solid Waste Facilities / Landfills	0	0	3	3	Not searched	6
RCRA Hazardous Waste Treatment, Storage, Disposal Sites	0	0	0	1	Not searched	1
NYS Toxic Spills						
Active Tank Failures	0	0	0	0	Not searched	0
Active Tank Test Failures	0	0	0	1	Not searched	1
Active Spills – Unknown / Other Causes	0	0	4	5	Not searched	9
Active Spills – Miscellaneous Causes	0	0	0	0(3)	Not searched	0(3)
Closed Tank Failures	0	0	0	7	Not searched	7
Closed Tank Test Failures	1	4	2	29	Not searched	36
Closed Spills – Unknown / Other Causes	0	22	13	64	Not searched	99
Closed Spills – Miscellaneous Causes	1	19	2(20)	19(103)	Not searched	41(123)
ASTM–Required Property & Adjacent Property (1/8 Mile Search)						
NYS Major Oil Storage Facilities	0	0	Not searched	Not searched	Not searched	0
Local & State Petroleum Bulk Storage Sites	2	18	Not searched	Not searched	Not searched	20
RCRA Hazardous Waste Generators & Transporters	3	40	Not searched	Not searched	Not searched	43
NYS Chemical Bulk Storage Sites	0	0	Not searched	Not searched	Not searched	0
Historic Utility Facilities	0	0	Not searched	Not searched	Not searched	0
ASTM–Required On–Site Only Search						
NYC Environmental Quality Review Requirements ("E") Sites*	1	0	Not searched	Not searched	Not searched	1
Emergency Response Notification System (ERNS)	0	Not searched	Not searched	Not searched	Not searched	0
Institutional Controls / Engineering Controls (IC/EC)	See databases for NPL, CERCLIS, Inactive Hazardous Waste Disposal Site Registry and Brownfield Sites.					
ASTM–Required Databases Distance Interval Totals	8	103	31(20)	140(106)	6	288(126)

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

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

NOTE: Table continues on next page.

Non-ASTM Databases 1/2 Mile Search

1934 NYC Municipal Waste Landfills	0	0	1	1	Not searched	2
Hazardous Substance Waste Disposal Sites	0	0	0	0	Not searched	0

Non-ASTM Databases 1/8 Mile Search

Toxic Release Inventory Sites (TRI)	0	0	Not searched	Not searched	Not searched	0
Permit Compliance System (PCS) Toxic Wastewater Discharges	0	0	Not searched	Not searched	Not searched	0
Air Discharges	1	4	Not searched	Not searched	Not searched	5
Civil & Administrative Enforcement Docket Facilities	0	2	Not searched	Not searched	Not searched	2

Non-ASTM Databases Distance Interval Totals	1	6	1	1	Not Searched	9

<i>Distance Interval Totals</i>	9	109	32(20)	141(106)	6	297(126)

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

Identified Toxic Sites by Direction

**580 Gerard Avenue
Bronx, NY**

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

Sites less than 100 feet from subject property sorted by distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
300		BLOCK: 2353 LOT: 1	0 feet	NYC Env. Qual. Review-"E" Designation
250	US POSTAL SERVICE – VMF	580 GERARD AVE	0 feet	Hazardous Waste Generator/Transporter
251	UNITED STATES POST OFFICE	580 GERARD AVE	0 feet	Hazardous Waste Generator/Transporter
252	AUTORAMA ENTERPRISES OF BRONX	610 GERARD AVE	0 feet	Hazardous Waste Generator/Transporter
293	P.O. GARRAGE	580 GERARD AVE.	0 feet	Air Discharge Site
54	USPS VEHICLE MAINT. FAC.	580 GERARD AVENUE	0 feet	Closed Status Tank Test Failure
189	USPS VEHICLE MAINT. FAC.	580 GERARD AVENUE	0 feet	Closed Status Spill (Misc. Spill Cause)
230	VEHICLE MAINTENANCE FACILITY	580 GERARD AVENUE	0 feet	Petroleum Bulk Storage Site
231	580 GERARD AVENUE	580 GERARD AVENUE	0 feet	Petroleum Bulk Storage Site

Sites between 100 ft and 660 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
201	212353; GERARD AVENUE AND EAST 151 STREET	GERARD AVENUE AND EAST 151 STREET	537 feet to the N	Closed Status Spill (Misc. Spill Cause)
202	212325; GERARD AVENUE AND E151 STREET	GERARD AVENUE AND E151 STREET	537 feet to the N	Closed Status Spill (Misc. Spill Cause)
276	CON EDISON	GERARD AVE & E 151 ST	537 feet to the N	Hazardous Waste Generator/Transporter
193	HARLEM FURNITURE	620 GERARD AVE	262 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
241	151 EAST 151ST STREET	151 EAST 151ST STREET	480 feet to the NNE	Petroleum Bulk Storage Site
262	CON EDISON	E 151ST ST & WALTON AVE	337 feet to the NE	Hazardous Waste Generator/Transporter
263	CONSOLIDATED EDISON	MH9515 – E 151ST ST / WALTON AVE	337 feet to the NE	Hazardous Waste Generator/Transporter
264	CON EDISON TRANSFORMER MANHOLE: 643	E 151ST ST & WALTON AVE	337 feet to the NE	Hazardous Waste Generator/Transporter
265	CON EDISON MANHOLE: 9515	E 151ST ST & WALTON AVE	337 feet to the NE	Hazardous Waste Generator/Transporter
266	CON EDISON	E. 151ST. STREET & WALTON	337 feet to the NE	Hazardous Waste Generator/Transporter
267	CON EDISON	WALTON AVE & E 151ST ST	337 feet to the NE	Hazardous Waste Generator/Transporter
277	NYC DOT	WALTON AVE	548 feet to the NE	Hazardous Waste Generator/Transporter
261	CON EDISON	624 WALTON AVE	280 feet to the ENE	Hazardous Waste Generator/Transporter
271	CON EDISON MANHOLE: 9515	630 WALTON AVE	396 feet to the ENE	Hazardous Waste Generator/Transporter
272	CON EDISON	630 WALTON AVE	396 feet to the ENE	Hazardous Waste Generator/Transporter
195	APART	175 EAST 151 STREET	404 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
236	151ST AND WALTON LLC	175 EAST 151ST STREET	418 feet to the ENE	Petroleum Bulk Storage Site
95	SPILL NUMBER 0406130	CEDAR LANE/EAST 151 ST	399 feet to the E	Closed Status Spill (Unk/Other Cause)

97	MOBIL	611 GRAND CONCOURSE	457 feet to the E	Closed Status Spill (Unk/Other Cause)
98	MOBIL GAS 12971(17-KTA)	611 GRAND CONCOURSE	457 feet to the E	Closed Status Spill (Unk/Other Cause)
196	611 GRAND CONCOURSE	611 GRAND CONCOURSE	457 feet to the E	Closed Status Spill (Misc. Spill Cause)
197	611 GRAND CONCOURSE/MOBIL	611 GRAND CONCOURSE	457 feet to the E	Closed Status Spill (Misc. Spill Cause)
198	MOBIL GAS STATION	611 GRAND CONCOURSE	457 feet to the E	Closed Status Spill (Misc. Spill Cause)
199	GAS STATION	611 GRAND CONCOURSE	457 feet to the E	Closed Status Spill (Misc. Spill Cause)
273	MOBIL OIL CORP	611 BRAND CONCOURSE	460 feet to the E	Hazardous Waste Generator/Transporter
237	GLOBAL MONTELLO GROUP #3615	611 GRAND CONCOURSE	463 feet to the E	Petroleum Bulk Storage Site
294	MOBIL	611 GRAND CON.	466 feet to the E	Air Discharge Site
279	NYCDOT BRIDGE BIN 2241409	GRAND CONCOURSE BRG OVER	571 feet to the E	Hazardous Waste Generator/Transporter
280	MTA NYCT – JEROME LINE 4 TUNNEL TRACK 1	GRAND CONCOURSE BLVD BETWEEN	571 feet to the E	Hazardous Waste Generator/Transporter
255	CON EDISON	602 WALTON AVE	209 feet to the SE	Hazardous Waste Generator/Transporter
242	CONCOURSE METRO TIRE	579 GRAND CONCOURSE	506 feet to the SE	Petroleum Bulk Storage Site
278	CONSOLIDATED EDISON	EAST 150ST GRAND CONCOURSE	557 feet to the SE	Hazardous Waste Generator/Transporter
286	CON EDISON	161 E 150 ST F/O	599 feet to the SE	Hazardous Waste Generator/Transporter
92	208501; WALTON AVE & E150 ST	WALTON AVE & E150 ST	274 feet to the SSE	Closed Status Spill (Unk/Other Cause)
93	214322; WALTON AVE & E150 ST	WALTON AVE & E150 ST	274 feet to the SSE	Closed Status Spill (Unk/Other Cause)
194	138 EAST 150TH STREET	138 EAST 150TH STREET	369 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
96	ARIANE AUTO REPAIR GENERAL MECHANIC SERVICES	572 WALTON AVE	433 feet to the SSE	Closed Status Spill (Unk/Other Cause)
240	ENGINE COMPANY 41	150 E. 150TH STREET	477 feet to the SSE	Petroleum Bulk Storage Site
104	COMMERCIAL PROPERTY	557 GRAND CONCOURSE	568 feet to the SSE	Closed Status Spill (Unk/Other Cause)
203	GRAND CONCOURSE REALTY CO	557 GRAND CONCOURSE	568 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
243	557 GRAND CONCOURSE	557 GRAND CONCOURSE	571 feet to the SSE	Petroleum Bulk Storage Site
244	JOSE PEREZ	557 GRAND CONCOURSE	571 feet to the SSE	Petroleum Bulk Storage Site
299	AMOCO	557 GRAND CONCOURSE	576 feet to the SSE	Civil & Admin. Enforcement Docket Site
296	AMOCO	557 GRAND CONCOURSE	578 feet to the SSE	Air Discharge Site
283	AMOCO SERVICE STATION	557 GRAND CONCOURSE	581 feet to the SSE	Hazardous Waste Generator/Transporter
284	557 GRAND CONCOURSE	557 GRAND CONCOURSE	581 feet to the SSE	Hazardous Waste Generator/Transporter
235	DSNY M DISTRICT 9 GARAGE	125 EAST 149TH STREET	362 feet to the SSW	Petroleum Bulk Storage Site
55	NYCDOS TANK TEST FAILURE	545 GERARD AVE / 125 EAST 149TH STREET	367 feet to the SSW	Closed Status Tank Test Failure
56	NYC DEPT OF SANITATION TTF	545 GERARD AVE	367 feet to the SSW	Closed Status Tank Test Failure
94	MANHATTAN WEST 09 DOS –DDC	125 EAST 149TH STREET	367 feet to the SSW	Closed Status Spill (Unk/Other Cause)
298	N Y C DEPT OF SANITATION	125 E 149TH ST	368 feet to the SSW	Civil & Admin. Enforcement Docket Site
269	NYCDOS	125 E 149TH ST	396 feet to the SSW	Hazardous Waste Generator/Transporter
270	MANHATTAN WEST 9	125 E 149TH ST	396 feet to the SSW	Hazardous Waste Generator/Transporter
105	MANHOLE #4506	149TH & GERARD AVE	571 feet to the SSW	Closed Status Spill (Unk/Other Cause)
204	207264; SWC GERARD AVE & E149 ST	SWC GERARD AVE & E149 ST	571 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
205	MANHOLE#4510	EAST 149 ST/GERARD AVE	571 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
281	CONSOLIDATED EDISON	E 149 ST & GERARD AVE	571 feet to the SSW	Hazardous Waste Generator/Transporter
90	TM625	GERARD AV / E 150TH ST	213 feet to the SW	Closed Status Spill (Unk/Other Cause)
91	221625; GERARD AVENUE	GERARD AVENUE	213 feet to the SW	Closed Status Spill (Unk/Other Cause)
190	IN SEWER OR VAULT	GERARD AV & E150TH ST	213 feet to the SW	Closed Status Spill (Misc. Spill Cause)
191	MANHOLE 4513	EAST 15TH ST – GERARD AVE	213 feet to the SW	Closed Status Spill (Misc. Spill Cause)
192	MAN HOLE #4513	GERALD AVE AND 150ST.	213 feet to the SW	Closed Status Spill (Misc. Spill Cause)
256	CONSOLIDATED EDISON	MH4513-E 150TH ST & GERARD AVE	213 feet to the SW	Hazardous Waste Generator/Transporter
257	CONSOLIDATED EDISON	TMH625-150TH ST & GERARD AVE	213 feet to the SW	Hazardous Waste Generator/Transporter
258	CONSOLIDATED EDISON – TM 625	150 & GERRARD	213 feet to the SW	Hazardous Waste Generator/Transporter
259	CON EDISON	GERARD AVE & E 150 ST	213 feet to the SW	Hazardous Waste Generator/Transporter
260	CON EDISON	GERARD AVE & E 150TH ST	213 feet to the SW	Hazardous Waste Generator/Transporter

234	585 GERARD AVENUE CORP.	585 GERARD AVENUE	311 feet to the SW	Petroleum Bulk Storage Site
238	MOBIL S/S 17-KRQ BRONX TERMINA	99 EAST 149TH STREET	465 feet to the SW	Petroleum Bulk Storage Site
239	BP#13990	99-113 149TH STREET	465 feet to the SW	Petroleum Bulk Storage Site
295	MOBIL	99 E. 149TH ST.	473 feet to the SW	Air Discharge Site
57	SPARTAN PETROLEUM/ MOBIL STATION	99 EAST 149TH ST	475 feet to the SW	Closed Status Tank Test Failure
58	MOBIL	99 EAST 149TH ST	475 feet to the SW	Closed Status Tank Test Failure
99	MANHATTAN WEST 09 DOS -DDC	99 EAST 149TH ST	475 feet to the SW	Closed Status Spill (Unk/Other Cause)
100	MOBIL	99 EAST 149TH ST	475 feet to the SW	Closed Status Spill (Unk/Other Cause)
101	MOBIL	99 EAST 149TH STREET	475 feet to the SW	Closed Status Spill (Unk/Other Cause)
102	AMOCO SERVICE STATION	99 EAST 149TH STREET	475 feet to the SW	Closed Status Spill (Unk/Other Cause)
103	AMOCO	99 EAST 149TH ST	475 feet to the SW	Closed Status Spill (Unk/Other Cause)
200	AMOCO	99 EAST 149TH ST	475 feet to the SW	Closed Status Spill (Misc. Spill Cause)
274	BP WEST COAST PRODUCTS #13990	99 E 149TH ST	496 feet to the SW	Hazardous Waste Generator/Transporter
287	CON EDISON	EAST 149 ST & RIVERA AVE	637 feet to the SW	Hazardous Waste Generator/Transporter
288	CON EDISON	W/S E 149 ST 100 N/O E RIVER ST	637 feet to the SW	Hazardous Waste Generator/Transporter
275	PROW BUILDING	560 EXTERIOR ST	532 feet to the WSW	Hazardous Waste Generator/Transporter
268	CON EDISON	591 RIVER AVE	379 feet to the W	Hazardous Waste Generator/Transporter
106	MANHOLE 3889	EXTERIOR ST/150TH ST	638 feet to the W	Closed Status Spill (Unk/Other Cause)
107	208591; EXTERIOR ST	EXTERIOR ST	638 feet to the W	Closed Status Spill (Unk/Other Cause)
108	204710; EXTERIOR ST	EXTERIOR ST	638 feet to the W	Closed Status Spill (Unk/Other Cause)
109	NEXT TO YANKEE STADIUM	150TH /EXTERIOR STREET	638 feet to the W	Closed Status Spill (Unk/Other Cause)
110	SPILL NUMBER 0204235	MAJOR DEEGAN/150TH ST	638 feet to the W	Closed Status Spill (Unk/Other Cause)
206	MAJOR DEEGAN EXPRESS WAY	NEAR 150TH ST	638 feet to the W	Closed Status Spill (Misc. Spill Cause)
245	BRONX TERMINAL MARKET WATERFRONT PARK	EXTERIOR STREET & EAST 150TH STREET	638 feet to the W	Petroleum Bulk Storage Site
289	CONSOLIDATED EDISON	MH3895-150TH ST & EXTERIOR ST	638 feet to the W	Hazardous Waste Generator/Transporter
290	CONSOLIDATED EDISON	E 150TH ST & EXTERIOR ST	638 feet to the W	Hazardous Waste Generator/Transporter
291	CON EDISON	CROMWELL AVE E/S EXTERIOR ST	638 feet to the W	Hazardous Waste Generator/Transporter
292	CON EDISON - MANHOLE 23377	EXTERIOR ST & E 150TH ST INT	638 feet to the W	Hazardous Waste Generator/Transporter
253	DGI TRANSPORT CORP	586 RIVER AVE	201 feet to the WNW	Hazardous Waste Generator/Transporter
254	CON EDISON - MANHOLE 32269	595 GERARD AVE	201 feet to the WNW	Hazardous Waste Generator/Transporter
232	AMERICAN SELF STORAGE	586 RIVER AVENUE / 595 GERARD AVENUE	229 feet to the NW	Petroleum Bulk Storage Site
233	ST LUKE'S HOSPITAL	595 GERARD AVE	229 feet to the NW	Petroleum Bulk Storage Site
282	BJS WHOLESALE CLUB BJ0176	610 EXTERIOR ST	577 feet to the NW	Hazardous Waste Generator/Transporter
285	NYC BRONX HOUSE OF DETENTION FOR MEN	653 RIVER AVENUE	590 feet to the NW	Hazardous Waste Generator/Transporter
111	BRONX HOUSE OF DETENTION	653 RIVER AVE.	654 feet to the NW	Closed Status Spill (Unk/Other Cause)
207	NYC DEPT CORRECTIONS	653 RIVER AVE	654 feet to the NW	Closed Status Spill (Misc. Spill Cause)
208	BRONX DETENTION CENTER	653 RIVER AVE	654 feet to the NW	Closed Status Spill (Misc. Spill Cause)
297	NYS EMERGENCY ELECTRICAL PLANT	653 RIVER AVE	594 feet to the NNW	Air Discharge Site
246	BRONX HOUSE OF DETENTION FOR MEN	653 RIVER AVENUE	644 feet to the NNW	Petroleum Bulk Storage Site
247	C KENNETH IMPORTS CO.	586 CROMWELL AVE	644 feet to the NNW	Petroleum Bulk Storage Site
248	HOSANNA PAPER CO	586 CROMWELL AVE	644 feet to the NNW	Petroleum Bulk Storage Site

Sites equal to or greater than 660 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category

141	YANKEE STADIUM PARKING LOT	RIVER AVE/ EAST 157TH ST	1936 feet to the N	Closed Status Spill (Unk/Other Cause)
142	SPILL NUMBER 0306819	E 157TH ST/RIVER AVE	1936 feet to the N	Closed Status Spill (Unk/Other Cause)
143	VAULT 5082 E 157TH ST &	E 157TH ST & RIVER AV	1936 feet to the N	Closed Status Spill (Unk/Other Cause)
76	YANKEE STADIUM	800 RUPPERT PLACE	2414 feet to the N	Closed Status Tank Test Failure
77	YANKEE STADIUM	161 STREET/RIVER AVE	2414 feet to the N	Closed Status Tank Test Failure
222	YANKEE STADIUM	153/157 STREET	2414 feet to the N	Closed Status Spill (Misc. Spill Cause)
182	218947; RUPPERT PLACE	RUPPERT PLACE	2531 feet to the N	Closed Status Spill (Unk/Other Cause)
115	MANHOLE 4526	EAST 153RD STREET+GERARD	1007 feet to the NNE	Closed Status Spill (Unk/Other Cause)
125	PRIVATE DWELLING	710 GERARD AVE	1343 feet to the NNE	Closed Status Spill (Unk/Other Cause)
24	810 RIVER	810 RIVER AVENUE	2148 feet to the NNE	Brownfields Site
25	810 RIVER AVENUE	810 RIVER AVENUE	2148 feet to the NNE	Brownfields Site
84	BROWNS CO COURT HOUSE	851 GRAND CONCOURSE	2485 feet to the NNE	Closed Status Tank Test Failure
32		FRANZ SIEGEL PARK	1370 feet to the NE	Solid Waste Facility
21	CONCOURSE VILLAGE WEST APARTMENTS – NORTH	180 EAST 156TH STREET	1534 feet to the NE	Brownfields Site
130	EXCAVATION SITE	180 EAST 156TH ST	1546 feet to the NE	Closed Status Spill (Unk/Other Cause)
1	MOTT HAVEN MGP PLUME TRACKDOWN	CONCOURSE VILLAGE WEST AT EAST 156TH STREET	1680 feet to the NE	NYSDEC Inactive Haz Waste Disposal Site
42	PARKING GARAGE	173 E 156TH STREET	1736 feet to the NE	Active Haz Spill (Unknown/Other Cause)
66	PARKING GARAGE – TTF	751 CONCOURSE VILLAGE WEST	1736 feet to the NE	Closed Status Tank Test Failure
137	PARKING GARGAGE	751 CONCOURSE VILLAGE WES	1736 feet to the NE	Closed Status Spill (Unk/Other Cause)
156	MOTTHAVEN	790 CONCOURSE VILLAGE WES	2269 feet to the NE	Closed Status Spill (Unk/Other Cause)
160	TRANSFORMER VAULT #2190	CONCOURSE VILLAGE/EAST158	2349 feet to the NE	Closed Status Spill (Unk/Other Cause)
118	CANDLEWOOD AUTO MALL	676 GRAND CONCOURSE	1023 feet to the ENE	Closed Status Spill (Unk/Other Cause)
13	CONCOURSE VILLAGE WEST APARTMENTS – SOUTH	741 CONCOURSE VILLAGE AND 702 GRAND CONCOURSE	1154 feet to the ENE	Brownfields Site
122	RESIDENTIAL	702 GRAND CONCORDE	1165 feet to the ENE	Closed Status Spill (Unk/Other Cause)
124	RESIDENTS	730 GRAND CONCOURSE	1249 feet to the ENE	Closed Status Spill (Unk/Other Cause)
210	730 GRAND CONCOURSE	730 GRAND CONCOURSE	1249 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
18	CONCOURSE VILLAGE WEST APARTMENTS – SOUTH	741 CONCOURSE VILLAGE AND 702 GRAND CONCOURSE	1290 feet to the ENE	Brownfields Site
20	FORMER METRO NORTH PROPERTY	730 CONCOURSE VILLAGE WEST	1514 feet to the ENE	Brownfields Site
138	PS 156	750 GRAND CONCORSE VIL W.	1865 feet to the ENE	Closed Status Spill (Unk/Other Cause)
52	775 CONCORSE VILLAGE EAST	775 CONCORSE VILLAGE EAST	2509 feet to the ENE	Closed Status Tank Failure
180	HIGHRISE BUILDING	775 CONCOURSE VILL EAST	2509 feet to the ENE	Closed Status Spill (Unk/Other Cause)
181	STORAGE UNIT	773 CONCOURSE VILLAGE E	2509 feet to the ENE	Closed Status Spill (Unk/Other Cause)
223	775 CONCOURSE VILLAGE E	775 CONCOURSE VILLAGE E	2509 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
224	775 CONCOURSE VILLAGE E	775 CONCOURSE VILLAGE E	2509 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
225	775 CONCORD VILLAGE E/BX	775 CONCORD VILLAGE EAST	2509 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
226	MULTI FAM DWG/COMM	775 CONCOURSE VILLAGE	2509 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
63	APARTMENT	635 MORRIS AVE	1603 feet to the E	Closed Status Tank Test Failure
49	EXCAVATION	675 MORRIS AVE	1745 feet to the E	Closed Status Tank Failure
140	211656; MORRIS AVE AND E 153 ST	MORRIS AVE AND E 153 ST	1914 feet to the E	Closed Status Spill (Unk/Other Cause)
148	TECHNIC AUTO SERVICES CORP	699 MORRIS AVE.	2013 feet to the E	Closed Status Spill (Unk/Other Cause)
78	MELROSE-NYCHA	304 E 156TH ST	2434 feet to the E	Closed Status Tank Test Failure
79	MELROSE HOUSES	304 E 156TH ST	2434 feet to the E	Closed Status Tank Test Failure
80	MELROSE HOUSES	304 E 156TH ST	2434 feet to the E	Closed Status Tank Test Failure
81	MELROSE HOUSES –NYCHA	304 E 156TH ST	2434 feet to the E	Closed Status Tank Test Failure
82	MELROSE HOUSES	304 E 156TH ST	2434 feet to the E	Closed Status Tank Test Failure
83	MELROSE HOUSES –NYCHA	304 E 156TH ST	2434 feet to the E	Closed Status Tank Test Failure
175	MELROSE –NYCHA	304 E 156TH ST	2434 feet to the E	Closed Status Spill (Unk/Other Cause)
176	MELROSE HOUSE –NYCHA	304 E 156TH ST	2434 feet to the E	Closed Status Spill (Unk/Other Cause)
6	FORMER MELROSE AVENUE DRY CLEANER	753 MELROSE AVENUE	3531 feet to the E	NYSDEC Inactive Haz Waste Disposal Site

8	BRONXCHESTER URA SITE 1A	BROOK AVENUE AT EAST 156TH STREET	4465 feet to the E	NYSDEC Inactive Haz Waste Disposal Site
48	225 EAST 149TH ST/BX	225 EAST 149TH STREET	1525 feet to the ESE	Closed Status Tank Failure
129	VAULT # 3200	231 EAST 149 ST NEAR PARK AVE	1525 feet to the ESE	Closed Status Spill (Unk/Other Cause)
157	MANHOLE #7087	IFO 301 E 149TH SR	2287 feet to the ESE	Closed Status Spill (Unk/Other Cause)
37	UNDERGROUND TANK	234 EAST 149TH ST	1701 feet to the SE	Active Tank Test Failure
64	LINCOLN HOSPITAL TTF	234 EAST 149TH STREET	1701 feet to the SE	Closed Status Tank Test Failure
65	LINCOLN MEDICAL CENTER	234 EAST 149TH ST	1701 feet to the SE	Closed Status Tank Test Failure
134	LINCOLN HOSPITAL AMBULANCE BAY	234 EAST 149	1701 feet to the SE	Closed Status Spill (Unk/Other Cause)
135	LINCOLN HOSPITAL	234 E 149TH ST	1701 feet to the SE	Closed Status Spill (Unk/Other Cause)
53	PATTERSON HOUSES	301 EAST 143RD STREET	2594 feet to the SE	Closed Status Tank Failure
88	PATTERSON HOUSES -NYCHA	301 EAST 143RD STREET	2594 feet to the SE	Closed Status Tank Test Failure
186	PATTERSON HOUSES -NYCHA	301 EAST 143RD STREET	2594 feet to the SE	Closed Status Spill (Unk/Other Cause)
228	PATTERSON HOUSES -NYCHA	301 EAST 143RD STREET	2594 feet to the SE	Closed Status Spill (Misc. Spill Cause)
209	149TH ST & GRAND CONCOURS	149TH ST & GRAND CONCOURS	764 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
60	500 GRAND CONCOURSE	500 GRAND CONCOURSE	1021 feet to the SSE	Closed Status Tank Test Failure
117	HOSTOS COMMUNITY COLLEGE	500 GRAND CONCOURSE	1021 feet to the SSE	Closed Status Spill (Unk/Other Cause)
211	VAULT # 612	EAST 146 ST AND PARK AVE	1485 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
62	COMMERCAIL BUILD	200 EAST 146TH STREET	1586 feet to the SSE	Closed Status Tank Test Failure
136	215 E 144TH STREET	215 E 144TH STREET	1715 feet to the SSE	Closed Status Spill (Unk/Other Cause)
67	PREMIER METALS	381 CANAL PLACE	1872 feet to the SSE	Closed Status Tank Test Failure
68	381 CANAL PLACE	381 CANAL PLACE	1872 feet to the SSE	Closed Status Tank Test Failure
139	381 CANAL PLACE	381 CANAL PLACE	1872 feet to the SSE	Closed Status Spill (Unk/Other Cause)
213	MAN HOLE #640	RIDER AVE / E 143RD ST	1966 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
36	POWER CHEMICAL CO INC	387 RIDER AVE	2123 feet to the SSE	Hazardous Waste Treat, Storage, Disposal
151	VAULT #VS2380	CANAL PL/E 141ST	2177 feet to the SSE	Closed Status Spill (Unk/Other Cause)
26	MORRIS COURT APARTMENTS	247 EAST 142ND STREET	2214 feet to the SSE	Brownfields Site
227	SCHOOL #X183	339 MORRIS AV	2534 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
249	HOSTOS COMMUNITY COLLEGE	120 E 149 ST	660 feet to the S	Petroleum Bulk Storage Site
114	475 WALTON AVENUE	475 WALTON AVENUE	982 feet to the S	Closed Status Spill (Unk/Other Cause)
47	HOSTOS COMMUNITY COLLEGE	WALTON AVE EAST 144TH ST.	1376 feet to the S	Closed Status Tank Failure
128	MANHOLE # 9489	WALTON AVE EAST 144TH ST.	1376 feet to the S	Closed Status Spill (Unk/Other Cause)
61	GERARDO WOODWORKING	168 EAST 144TH STREET	1578 feet to the S	Closed Status Tank Test Failure
133	U HAUL #803-68	368 WALTON AVE	1660 feet to the S	Closed Status Spill (Unk/Other Cause)
43	FORMER HESS STATION 32GRA	370 GRAND CONCOURSE	1751 feet to the S	Active Haz Spill (Unknown/Other Cause)
44	BP AMOCO STATION #17782	350 GRAND CONCOURSE	1751 feet to the S	Active Haz Spill (Unknown/Other Cause)
22	335 GRAND CONCOURSE	335 GRAND CONCOURSE	1952 feet to the S	Brownfields Site
149	141ST ST & GRAND CONCOURSE	141ST ST & GRAND CONCOURSE	2048 feet to the S	Closed Status Spill (Unk/Other Cause)
23	310 GRAND CONCOURSE	310-336 GRAND CONCOURSE	2121 feet to the S	Brownfields Site
46	FORMER CITYGAS/LAGE CAR WASH	315 GRAND CONCOURSE	2132 feet to the S	Active Haz Spill (Unknown/Other Cause)
150	ABANDONED GAS STATION	315 GRAND CONCOURSE	2132 feet to the S	Closed Status Spill (Unk/Other Cause)
152	SPILL NUMBER 9702764	310 GRAND CONCOURSE	2190 feet to the S	Closed Status Spill (Unk/Other Cause)
214	318 GRAND CONCOURSE/BX	318 GRAND CONCOURSE	2190 feet to the S	Closed Status Spill (Misc. Spill Cause)
153	COMMERCIAL	26 50 PARK AVE	2201 feet to the S	Closed Status Spill (Unk/Other Cause)
34	ECOLOGY RECYCLING PLANT		2424 feet to the S	Solid Waste Facility
35	ECOLOGY RECYCLING PLANT		2424 feet to the S	Solid Waste Facility
177	APARTMENT BUILDING	321 CANAL PLACE	2482 feet to the S	Closed Status Spill (Unk/Other Cause)
178	SERVICE BOX #4855	250 WALTON AVE	2482 feet to the S	Closed Status Spill (Unk/Other Cause)
183	SPILL NUMBER 0200438	261 GR CONCOURSE/138TH ST	2532 feet to the S	Closed Status Spill (Unk/Other Cause)
3	2568 PARK	140TH ST & CANAL PL	2532 feet to the S	Closed Status Spill (Unk/Other Cause)
		2568 PARK AVENUE	2772 feet to the S	NYSDEC Inactive Haz Waste Disposal Site

5	RIDER AVENUE GAS STATION	250 EAST 138TH STREET	3320 feet to the S	NYSDEC Inactive Haz Waste Disposal Site
39	PHASE 2 – OER	110 EAST 149TH STREET	792 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
10	110 EAST 149TH STREET	110 EAST 149TH STREET	814 feet to the SSW	Brownfields Site
59	CLOSED–LACKOF RECENT INFO	471 WALTON AVE	1001 feet to the SSW	Closed Status Tank Test Failure
116	UNDER CONSTRUCTION	500 EXTERIOR ST	1010 feet to the SSW	Closed Status Spill (Unk/Other Cause)
12	477 GERARD AVENUE	477 GERARD AVENUE	1021 feet to the SSW	Brownfields Site
40	COMMERCIAL PROPRTY	445 GERARD AVE	1161 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
14	GERARD AVENUE AND EAST 146TH STREET SITE	417 AND 445 GERARD AVENUE, 440 MAJ WM DEEGAN BLVD	1184 feet to the SSW	Brownfields Site
15	GERARD AVENUE AND EAST 146TH STREET SITE	417 AND 445 GERARD AVENUE, 440 MAJ WM DEEGAN BLVD	1205 feet to the SSW	Brownfields Site
41	SOIL	414 GERARD AVE	1256 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
16	FORMER ROCKET JEWELRY BOX SITE	414 GERARD AVENUE	1270 feet to the SSW	Brownfields Site
17	GERARD AVENUE AND EAST 146TH STREET SITE	417 AND 445 GERARD AVENUE, 440 MAJ WM DEEGAN BLVD	1273 feet to the SSW	Brownfields Site
45	COMMERCIAL PROPERTY	355 EXTERIOR ST	1783 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
144	SERVICE BOX	325 EXTERIOR ST	1970 feet to the SSW	Closed Status Spill (Unk/Other Cause)
145	VERIZON BUILDING	325 EXTERIOR STREET	1970 feet to the SSW	Closed Status Spill (Unk/Other Cause)
33	CON-EDISON @ SERVICE CENTER	281 EXTERIOR STREET	2170 feet to the SSW	Solid Waste Facility
85	GASETERIA	115 EAST 138TH STREET	2508 feet to the SSW	Closed Status Tank Test Failure
179	GASETERIA	115 EAST 138TH STREET	2508 feet to the SSW	Closed Status Spill (Unk/Other Cause)
187	STAINED SOIL FOUND IN EXCAVATION	EAST 138 STREET & EXTERIOR STREET	2595 feet to the SSW	Closed Status Spill (Unk/Other Cause)
229	MAJOR DEEGAN & 138TH ST/B	MAJOR DEEGAN/138TH ST.	2608 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
7	VISTA 1	2401 THIRD AVENUE	4387 feet to the SSW	NYSDEC Inactive Haz Waste Disposal Site
112	TRANSFORMER MANHOLE 644	EAST 149TH ST	702 feet to the SW	Closed Status Spill (Unk/Other Cause)
38	COMMERCIAL	100 EAST 149TH ST	728 feet to the SW	Active Haz Spill (Unknown/Other Cause)
119	EQUINOX X 149 ST OF DEGAN	475 EXTERIOR STREET	1064 feet to the SW	Closed Status Spill (Unk/Other Cause)
28	BRONX COUNTY RECYCLING	475 EXTERIOR STREET	1107 feet to the SW	Solid Waste Facility
29	EQUINOX ASSOCIATES, INC. (UNIVERSAL DEMO	475 EXTERIOR STREET	1107 feet to the SW	Solid Waste Facility
30	NEW YORK RECYCLING LLC	475 EXTERIOR STREET	1107 feet to the SW	Solid Waste Facility
154	VAULT 3328	2 WEST 142ND STREET	2219 feet to the SW	Closed Status Spill (Unk/Other Cause)
27	2350 FIFTH AVENUE	2350 FIFTH AVENUE	2231 feet to the SW	Brownfields Site
2	2350 FIFTH AVE., NEW YORK (AKA, PS 141)	2340 & 2350 FIFTH AVENUE	2235 feet to the SW	NYSDEC Inactive Haz Waste Disposal Site
158	VAULT 3804	5TH AV/W141ST ST	2304 feet to the SW	Closed Status Spill (Unk/Other Cause)
89	RESIDENTIAL	2300 5TH AVE	2638 feet to the SW	Closed Status Tank Test Failure
188	15 WEST 139 STREET	15 W 139TH ST	2638 feet to the SW	Closed Status Spill (Unk/Other Cause)
113	NORTHBOUD SERVICE RD	EXIT 4 MAJOR DEAGAN	762 feet to the WSW	Closed Status Spill (Unk/Other Cause)
11	BRONX POINT	65 EAST 149TH STREET	851 feet to the WSW	Brownfields Site
123	HARLHEM RIVER	145TH STREET BRIDGE	1197 feet to the WSW	Closed Status Spill (Unk/Other Cause)
131	IN THE RIVER	145TH STREET BRIDGE	1586 feet to the WSW	Closed Status Spill (Unk/Other Cause)
132	HERLEM RIVER	145TH STREET BRIDGE	1586 feet to the WSW	Closed Status Spill (Unk/Other Cause)
159	143RD ST ASSOCIATES	44–58 WEST 143RD ST	2321 feet to the WSW	Closed Status Spill (Unk/Other Cause)
120	PIER # 4 BRONX TERMINAL M	EAST 150TH	1091 feet to the W	Closed Status Spill (Unk/Other Cause)
147	146TH & 147TH ST/LENOX AVE	146TH & 147TH ST/LENOX AVE	2008 feet to the W	Closed Status Spill (Unk/Other Cause)
155	MTA	711 LENOX AVE	2265 feet to the W	Closed Status Spill (Unk/Other Cause)
161	GETTY#58409	119 W. 145TH ST	2372 feet to the W	Closed Status Spill (Unk/Other Cause)
215	GETTY S/S #58409 – GETTY PROPERTIES	119 W. 145TH ST	2372 feet to the W	Closed Status Spill (Misc. Spill Cause)
86	120–128 WEST 145TH STREET	120–128 WEST 145TH STREET	2583 feet to the W	Closed Status Tank Test Failure
87	120–128 W.145TH ST	120–128 W.145TH ST	2583 feet to the W	Closed Status Tank Test Failure
184	HESS/MERIT GAS STA.	120 WEST 145TH STREET	2583 feet to the W	Closed Status Spill (Unk/Other Cause)
185	FORMER MERIT/FORMER HESS STATION	122 WEST 145TH ST	2583 feet to the W	Closed Status Spill (Unk/Other Cause)
50	101–125 WEST 147TH ST.	101–125 WEST 147TH ST.	2380 feet to the WNW	Closed Status Tank Failure

162	SPILL NUMBER 9900030	2541 7TH AVE	2380 feet to the WNW	Closed Status Spill (Unk/Other Cause)
163	SPILL NUMBER 0212767	101/125 W.147TH ST	2380 feet to the WNW	Closed Status Spill (Unk/Other Cause)
51	101-165 W 146TH ST/BX	1010165 WEST 146TH STREET	2402 feet to the WNW	Closed Status Tank Failure
69	146TH ST & LENOX AVE	721 LENOX AVE	2402 feet to the WNW	Closed Status Tank Test Failure
70	MOTHER CLARA HALE (146TH ST) DEPOT -NYCT	721 LENOX AVE	2402 feet to the WNW	Closed Status Tank Test Failure
71	MOTHER CLARA HALE (146TH ST) DEPOT -NYCT	721 LENOX AVE	2402 feet to the WNW	Closed Status Tank Test Failure
72	CONTAINMENT AREA	721 LENOX AVE	2402 feet to the WNW	Closed Status Tank Test Failure
73	MOTHER CLARA HALE DEPOT	721 LENOX AVE	2402 feet to the WNW	Closed Status Tank Test Failure
74	MOTHER CLARA HALE DEPOT	721 LENOX AVE	2402 feet to the WNW	Closed Status Tank Test Failure
75	NYC TRANSIT	146TH ST & LENOX	2402 feet to the WNW	Closed Status Tank Test Failure
164	HALE (146TH STREET) DEPOT-NYCT	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
165	146TH ST BUS DEPOT	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
166	146TH STREET DEPOT	146TH STREET DEPOT	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
167	146 WEST 147TH ST/MANH	146 WEST 147TH STREET	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
168	MOTHER CLARA HILL BUS	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
169	MOTHER CLARA HILL DEPOT -NYCT	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
170	CLARA HALE BUS DEPOT	735 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
171	MOTHER CLARA HALE DEPOT	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
172	CLARA HALE BUS DEPOT	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
173	HALE (146TH STREET) DEPOT	LENOX AVE/146TH ST	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
216	CLARE HALE DEPOT	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
217	-NYCT / 146 ST	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
218	146TH ST DEPOT	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
219	MOTHER CLARA HALE DEPOT	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
220	MOTHER CLARA HILL BUS	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
221	MOTHER CLARA HALE BUS DEP	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
174	FREDERICK DOUGLASS ACADEMY	2581 ADAM CLAYTON POWELL JR BLVD	2412 feet to the WNW	Closed Status Spill (Unk/Other Cause)
4	FILM STORAGE WAREHOUSE SITE	203-209 WEST 146TH STREET	3122 feet to the WNW	NYSDEC Inactive Haz Waste Disposal Site
9	GATEWAY CENTER AT BRONX TERMINAL MARKET, EASTERN	EXTERIOR STREET	811 feet to the NW	Brownfields Site
126	725 EXTERIOR ST	725 EXTERIOR ST	1353 feet to the NW	Closed Status Spill (Unk/Other Cause)
127	PIER 2 BRONX TERMINAL MARKET	725 EXTERIOR ST	1353 feet to the NW	Closed Status Spill (Unk/Other Cause)
19	GATEWAY CENTER AT BRONX TERMINAL MARKET, WESTERN	EXTERIOR STREET	1460 feet to the NW	Brownfields Site
121	BROWNFIELD PRO #C203015	49 BRONX TERMINAL MARKET	1151 feet to the NNW	Closed Status Spill (Unk/Other Cause)
31		BRONX TERMINAL MARKET	1165 feet to the NNW	Solid Waste Facility
212	SPILL NUMBER 9809111	745 EXTERIOR ST	1702 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
146	BEHIND GAL MANUFACTURERS	50 E.153RD ST	1999 feet to the NNW	Closed Status Spill (Unk/Other Cause)

Identified Toxic Sites by Category

580 Gerard Avenue
Bronx, NY

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

NYSDEC Inactive Haz. Waste Disposal Site Registry -- Total Sites – 8				Database searched at 1 MILE – ASTM required search distance: 1 Mile	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION	
1	203042	MOTT HAVEN MGP PLUME TRACKDOWN	CONCOURSE VILLAGE WEST AT EAST 156TH STREET	1680 feet to the NE	
2	231004	2350 FIFTH AVE., NEW YORK (AKA, PS 141)	2340 & 2350 FIFTH AVENUE	2235 feet to the SW	
3	203050	2568 PARK	2568 PARK AVENUE	2772 feet to the S	
4	231009	FILM STORAGE WAREHOUSE SITE	203–209 WEST 146TH STREET	3122 feet to the WNW	
5	203051	RIDER AVENUE GAS STATION	250 EAST 138TH STREET	3320 feet to the S	
6	203009	FORMER MELROSE AVENUE DRY CLEANER	753 MELROSE AVENUE	3531 feet to the E	
7	203052	VISTA 1	2401 THIRD AVENUE	4387 feet to the SSW	
8	203043	BRONXCHESTER URA SITE 1A	BROOK AVENUE AT EAST 156TH STREET	4465 feet to the E	
Brownfields Sites -- Total Sites – 16				Database searched at 1/2 MILE – ASTM required search distance: 1/2 Mile	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION	
9	C203015	GATEWAY CENTER AT BRONX TERMINAL MARKET, EASTERN EXTERIOR STREET	477 EXTERIOR STREET	811 feet to the NW	
10	15CVCP114X	110 EAST 149TH STREET	110 EAST 149TH STREET	814 feet to the SSW	
11	C203117	BRONX POINT	65 EAST 149TH STREET	851 feet to the WSW	
12	C203071	477 GERARD AVENUE	477 GERARD AVENUE	1021 feet to the SSW	
13	C203092	CONCOURSE VILLAGE WEST APARTMENTS – SOUTH	741 CONCOURSE VILLAGE AND 702 GRAND CONCOURSE	1154 feet to the ENE	
14	C203111	GERARD AVENUE AND EAST 146TH STREET SITE	417 AND 445 GERARD AVENUE, 440 MAJ WM DEEGAN BLVD	1184 feet to the SSW	
15	C203111	GERARD AVENUE AND EAST 146TH STREET SITE	417 AND 445 GERARD AVENUE, 440 MAJ WM DEEGAN BLVD	1205 feet to the SSW	
16	C203106	FORMER ROCKET JEWELRY BOX SITE	414 GERARD AVENUE	1270 feet to the SSW	
17	C203111	GERARD AVENUE AND EAST 146TH STREET SITE	417 AND 445 GERARD AVENUE, 440 MAJ WM DEEGAN BLVD	1273 feet to the SSW	
18	C203092	CONCOURSE VILLAGE WEST APARTMENTS – SOUTH	741 CONCOURSE VILLAGE AND 702 GRAND CONCOURSE	1290 feet to the ENE	
19	C203028	GATEWAY CENTER AT BRONX TERMINAL MARKET, WESTERN EXTERIOR STREET	477 EXTERIOR STREET	1460 feet to the NW	
20	C203030	FORMER METRO NORTH PROPERTY	730 CONCOURSE VILLAGE WEST	1514 feet to the ENE	
21	C203091	CONCOURSE VILLAGE WEST APARTMENTS – NORTH	180 EAST 156TH STREET	1534 feet to the NE	
22	15CVCP020X	335 GRAND CONCOURSE	335 GRAND CONCOURSE	1952 feet to the S	
23	C203121	310 GRAND CONCOURSE	310–336 GRAND CONCOURSE	2121 feet to the S	
24	C203066	810 RIVER	810 RIVER AVENUE	2148 feet to the NNE	
25	14CVCP171X	810 RIVER AVENUE	810 RIVER AVENUE	2148 feet to the NNE	
26	12CVCP059X	MORRIS COURT APARTMENTS	247 EAST 142ND STREET	2214 feet to the SSE	
27	V00256	2350 FIFTH AVENUE	2350 FIFTH AVENUE	2231 feet to the SW	
Solid Waste Facilities -- Total Sites – 8				Database searched at 1/2 MILE – ASTM required search distance: 1/2 Mile	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION	
28	NY00000000438	BRONX COUNTY RECYCLING	475 EXTERIOR STREET	1107 feet to the SW	
29	NY00000000464	EQUINOX ASSOCIATES, INC. (UNIVERSAL DEMO	475 EXTERIOR STREET	1107 feet to the SW	
30	NY40000117825	NEW YORK RECYCLING LLC	475 EXTERIOR STREET	1107 feet to the SW	
31	NY247		BRONX TERMINAL MARKET	1165 feet to the NNW	
32	NY241		FRANZ SIEGEL PARK	1370 feet to the NE	
33	NY00000000465	CON-EDISON @ SERVICE CENTER	281 EXTERIOR STREET	2170 feet to the SSW	
34	03T27	ECOLOGY RECYCLING PLANT		2424 feet to the S	
35	NY00000000254	ECOLOGY RECYCLING PLANT	321 CANAL PLACE	2424 feet to the S	
Hazardous Waste Treatment, Storage, Disposal Facilities -- Total Sites – 1				Database searched at 1/2 MILE – ASTM required search distance: 1/2 Mile	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION	
36	NYD001549633	POWER CHEMICAL CO INC	387 RIDER AVE	2123 feet to the SSE	

Active Tank Test Failures -- Total Sites – 1

MAP ID	FACILITY ID	FACILITY NAME
37	1502628	UNDERGROUND TANK

Active Haz Spills (Unknown Causes & Other Causes) -- Total Sites – 9

MAP ID	FACILITY ID	FACILITY NAME
38	1810498	COMMERCIAL
39	1407530	PHASE 2 – OER
40	1705596	COMMERCIAL PROPRTY
41	1705442	SOIL
42	0551708	PARKING GARAGE
43	9814075	FORMER HESS STATION 32GRA
44	0111974	BP AMOCO STATION #17782
45	1901885	COMMERCIAL PROPERTY
46	9909720	FORMER CITYGAS/LAGE CAR WASH

Closed Status Tank Failures -- Total Sites – 7

MAP ID	FACILITY ID	FACILITY NAME
47	0409591	HOSTOS COMMUNITY COLLEGE
48	9011867	225 EAST 149TH ST/BX
49	0505007	EXCAVATION
50	9308461	101-125 WEST 147TH ST.
51	8902952	101-165 W 146TH ST/BX
52	9709702	775 CONCORSE VILLAGE EAST
53	9414368	PATTERSON HOUSES

Closed Status Tank Test Failures -- Total Sites – 36

MAP ID	FACILITY ID	FACILITY NAME
54	9007668	USPS VEHICLE MAINT. FAC.
55	1204620	NYCDOS TANK TEST FAILURE
56	1203859	NYC DEPT OF SANITATION TTF
57	9909670	SPARTAN PETROLEUM/ MOBIL STATION
58	8905353	MOBIL
59	8800476	CLOSED-LACKOF RECENT INFO
60	9002366	500 GRAND CONCOURSE
61	1509044	GERARDO WOODWORKING
62	0801696	COMMERCAIL BUILD
63	0800658	APARTMENT
64	1206812	LINCOLN HOSPITAL TTF
65	0313236	LINCOLN MEDICAL CENTER
66	1215394	PARKING GARAGE – TTF
67	9903367	PREMIER METALS
68	8709462	381 CANAL PLACE
69	9106264	146TH ST & LENOX AVE
70	8904241	MOTHER CLARA HALE (146TH ST) DEPOT –NYCT
71	8902374	MOTHER CLARA HALE (146TH ST) DEPOT –NYCT
72	1602684	CONTAINMENT AREA
73	1511105	MOTHER CLARA HALE DEPOT
74	0405011	MOTHER CLARA HALE DEPOT
75	0009127	NYC TRANSIT
76	9813424	YANKEE STADIUM
77	0511070	YANKEE STADIUM

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

FACILITY STREET	DISTANCE & DIRECTION
234 EAST 149TH ST	1701 feet to the SE

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

FACILITY STREET	DISTANCE & DIRECTION
100 EAST 149TH ST	728 feet to the SW
110 EAST 149TH STREET	792 feet to the SSW
445 GERARD AVE	1161 feet to the SSW
414 GERARD AVE	1256 feet to the SSW
173 E 156TH STREET	1736 feet to the NE
370 GRAND CONCOURSE	1751 feet to the S
350 GRAND CONCOURSE	1751 feet to the S
355 EXTERIOR ST	1783 feet to the SSW
315 GRAND CONCOURSE	2132 feet to the S

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

FACILITY STREET	DISTANCE & DIRECTION
WALTON AVE EAST 144TH ST.	1376 feet to the S
225 EAST 149TH STREET	1525 feet to the ESE
675 MORRIS AVE	1745 feet to the E
101-125 WEST 147TH ST.	2380 feet to the WNW
1010165 WEST 146TH STREET	2402 feet to the WNW
775 CONCORSE VILLAGE EAST	2509 feet to the ENE
301 EAST 143RD STREET	2594 feet to the SE

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

FACILITY STREET	DISTANCE & DIRECTION
580 GERARD AVENUE	0 feet
545 GERARD AVE / 125 EAST 149TH STREET	367 feet to the SSW
545 GERARD AVE	367 feet to the SSW
99 EAST 149TH ST	475 feet to the SW
99 EAST 149TH ST	475 feet to the SW
471 WALTON AVE	1001 feet to the SSW
500 GRAND CONCOURSE	1021 feet to the SSE
168 EAST 144TH STREET	1578 feet to the S
200 EAST 146TH STREET	1586 feet to the SSE
635 MORRIS AVE	1603 feet to the E
234 EAST 149TH STREET	1701 feet to the SE
234 EAST 149TH ST	1701 feet to the SE
751 CONCOURSE VILLAGE WEST	1736 feet to the NE
381 CANAL PLACE	1872 feet to the SSE
381 CANAL PLACE	1872 feet to the SSE
721 LENOX AVE	2402 feet to the WNW
721 LENOX AVE	2402 feet to the WNW
721 LENOX AVE	2402 feet to the WNW
721 LENOX AVE	2402 feet to the WNW
721 LENOX AVE	2402 feet to the WNW
146TH ST & LENOX	2402 feet to the WNW
800 RUPPERT PLACE	2414 feet to the N
161 STREET/RIVER AVE	2414 feet to the N

78	9906432	MELROSE-NYCHA	304 E 156TH ST	2434 feet to the E
79	9815516	MELROSE HOUSES	304 E 156TH ST	2434 feet to the E
80	9712621	MELROSE HOUSES	304 E 156TH ST	2434 feet to the E
81	9311327	MELROSE HOUSES -NYCHA	304 E 156TH ST	2434 feet to the E
82	9300349	MELROSE HOUSES	304 E 156TH ST	2434 feet to the E
83	9006284	MELROSE HOUSES -NYCHA	304 E 156TH ST	2434 feet to the E
84	0101258	BROWNS CO COURT HOUSE	851 GRAND CONCOURSE	2485 feet to the NNE
85	0207682	GASETERIA	115 EAST 138TH STREET	2508 feet to the SSW
86	9210186	120-128 WEST 145TH STREET	120-128 WEST 145TH STREET	2583 feet to the W
87	8606425	120-128 W.145TH ST	120-128 W.145TH ST	2583 feet to the W
88	9504190	PATTERSON HOUSES -NYCHA	301 EAST 143RD STREET	2594 feet to the SE
89	1408973	RESIDENTIAL	2300 5TH AVE	2638 feet to the SW

Closed Status Spills (Unknown Causes & Other Causes) -- Total Sites - 99 Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
90	9909034	TM625	GERARD AV / E 150TH ST	213 feet to the SW
91	1009116	221625; GERARD AVENUE	GERARD AVENUE	213 feet to the SW
92	0890266	208501; WALTON AVE & E150 ST	WALTON AVE & E150 ST	274 feet to the SSE
93	0814560	214322; WALTON AVE & E150 ST	WALTON AVE & E150 ST	274 feet to the SSE
94	9910856	MANHATTAN WEST 09 DOS -DDC	125 EAST 149TH STREET	367 feet to the SSW
95	0406130	SPILL NUMBER 0406130	CEDAR LANE/EAST 151 ST	399 feet to the E
96	1811083	ARIANE AUTO REPAIR GENERAL MECHANIC SERVICES	572 WALTON AVE	433 feet to the SSE
97	8902416	MOBIL	611 GRAND CONCOURSE	457 feet to the E
98	0912104	MOBIL GAS 12971(17-KTA)	611 GRAND CONCOURSE	457 feet to the E
99	9513870	MANHATTAN WEST 09 DOS -DDC	99 EAST 149TH ST	475 feet to the SW
100	9208906	MOBIL	99 EAST 149TH ST	475 feet to the SW
101	8911938	MOBIL	99 EAST 149TH STREET	475 feet to the SW
102	0311549	AMOCO SERVICE STATION	99 EAST 149TH STREET	475 feet to the SW
103	0307681	AMOCO	99 EAST 149TH ST	475 feet to the SW
104	0601001	COMMERCIAL PROPERTY	557 GRAND CONCOURSE	568 feet to the SSE
105	0503997	MANHOLE #4506	149TH & GERARD AVE	571 feet to the SSW
106	9912518	MANHOLE 3889	EXTERIOR ST/150TH ST	638 feet to the W
107	0890401	208591; EXTERIOR ST	EXTERIOR ST	638 feet to the W
108	0890003	204710; EXTERIOR ST	EXTERIOR ST	638 feet to the W
109	0605936	NEXT TO YANKEE STADIUM	150TH /EXTERIOR STREET	638 feet to the W
110	0204235	SPILL NUMBER 0204235	MAJOR DEEGAN/150TH ST	638 feet to the W
111	0504695	BRONX HOUSE OF DETENTION	653 RIVER AVE.	654 feet to the NW
112	0313571	TRANSFORMER MANHOLE 644	EAST 149TH ST	702 feet to the SW
113	0610701	NORTHBOUD SERVICE RD	EXIT 4 MAJOR DEAGAN	762 feet to the WSW
114	9512362	475 WALTON AVENUE	475 WALTON AVENUE	982 feet to the S
115	0012262	MANHOLE 4526	EAST 153RD STREET+GERARD	1007 feet to the NNE
116	1400009	UNDER CONSTRUCTION	500 EXTERIOR ST	1010 feet to the SSW
117	0800543	HOSTOS COMMUNITY COLLEGE	500 GRAND CONCOURSE	1021 feet to the SSE
118	0613549	CANDLEWOOD AUTO MALL	676 GRAND CONCOURSE	1023 feet to the ENE
119	9611101	EQUINOX X 149 ST OF DEGAN	475 EXTERIOR STREET	1064 feet to the SW
120	0609955	PIER # 4 BRONX TERMINAL M	EAST 150TH	1091 feet to the W
121	0702081	BROWNFIELD PRO #C203015	49 BRONX TERMINAL MARKET	1151 feet to the NNW
122	1802478	RESIDENTIAL	702 GRAND CONCORDE	1165 feet to the ENE
123	0306776	HARLHEM RIVER	145TH STREET BRIDGE	1197 feet to the WSW
124	1412201	RESIDENTS	730 GRAND CONCOURSE	1249 feet to the ENE
125	0910843	PRIVATE DWELLING	710 GERARD AVE	1343 feet to the NNE
126	9703953	725 EXTERIOR ST	725 EXTERIOR ST	1353 feet to the NW
127	0811775	PIER 2 BRONX TERMINAL MARKET	725 EXTERIOR ST	1353 feet to the NW

128	0312991	MANHOLE # 9489	WALTON AVE EAST 144TH ST.	1376 feet to the S
129	0508092	VAULT # 3200	231 EAST 149 ST NEAR PARK AVE	1525 feet to the ESE
130	1801890	EXCAVATION SITE	180 EAST 156TH ST	1546 feet to the NE
131	0701308	IN THE RIVER	145TH STREET BRIDGE	1586 feet to the WSW
132	0609701	HERLEM RIVER	145TH STREET BRIDGE	1586 feet to the WSW
133	0012172	U HAUL #803-68	368 WALTON AVE	1660 feet to the S
134	0912687	LINCOLN HOSPITAL AMBULANCE BAY	234 EAST 149	1701 feet to the SE
135	0204573	LINCOLN HOSPITAL	234 E 149TH ST	1701 feet to the SE
136	9304620	215 E 144TH STREET	215 E 144TH STREET	1715 feet to the SSE
137	0606610	PARKING GARGAGE	751 CONCOURSE VILLAGE WES	1736 feet to the NE
138	9803142	PS 156	750 GRAND CONCOURSE VIL W.	1865 feet to the ENE
139	0306424	381 CANAL PLACE	381 CANAL PLACE	1872 feet to the SSE
140	0814207	211656; MORRIS AVE AND E 153 ST	MORRIS AVE AND E 153 ST	1914 feet to the E
141	0504523	YANKEE STADIUM PARKING LOT	RIVER AVE/ EAST 157TH ST	1936 feet to the N
142	0306819	SPILL NUMBER 0306819	E 157TH ST/RIVER AVE	1936 feet to the N
143	0306717	VAULT 5082 E 157TH ST &	E 157TH ST & RIVER AV	1936 feet to the N
144	1711329	SERVICE BOX	325 EXTERIOR ST	1970 feet to the SSW
145	0512042	VERIZON BUILDING	325 EXTERIOR STREET	1970 feet to the SSW
146	0307022	BEHIND GAL MANUFACTURERS	50 E.153RD ST	1999 feet to the NNW
147	9012864	146TH &147TH ST/LENOX AVE	146TH &147TH ST/LENOX AVE	2008 feet to the W
148	0550556	TECHNIC AUTO SERVICES CORP	699 MORRIS AVE.	2013 feet to the E
149	8807934	141ST ST& GRAND CONCOURSE	141ST ST &GRAND CONCOURSE	2048 feet to the S
150	0109527	ABANDONED GAS STATION	315 GRAND CONCOURSE	2132 feet to the S
151	0212011	VAULT #VS2380	CANAL PL/E 141ST	2177 feet to the SSE
152	9702764	SPILL NUMBER 9702764	310 GRAND CONCOURSE	2190 feet to the S
153	1900786	COMMERCIAL	26 50 PARK AVE	2201 feet to the S
154	1207731	VAULT 3328	2 WEST 142ND STREET	2219 feet to the SW
155	1002713	MTA	711 LENOX AVE	2265 feet to the W
156	0710941	MOTTHAVEN	790 CONCOURSE VILLAGE WES	2269 feet to the NE
157	9904014	MANHOLE #7087	IFO 301 E 149TH SR	2287 feet to the ESE
158	0010341	VAULT 3804	5TH AV/W141ST ST	2304 feet to the SW
159	9706699	143RD ST ASSOCIATES	44-58 WEST 143RD ST	2321 feet to the WSW
160	0310705	TRANSFORMER VAULT #2190	CONCOURSE VILLAGE/EAST158	2349 feet to the NE
161	0701951	GETTY#58409	119 W. 145TH ST	2372 feet to the W
162	9900030	SPILL NUMBER 9900030	2541 7TH AVE	2380 feet to the WNW
163	0212767	SPILL NUMBER 0212767	101/125 W.147TH ST	2380 feet to the WNW
164	9813017	HALE (146TH STREET) DEPOT-NYCT	721 LENNOX AVE	2402 feet to the WNW
165	9606076	146TH ST BUS DEPOT	721 LENOX AVE	2402 feet to the WNW
166	9212791	146TH STREET DEPOT	146TH STREET DEPOT	2402 feet to the WNW
167	8905388	146 WEST 147TH ST/MANH	146 WEST 147TH STREET	2402 feet to the WNW
168	0610604	MOTHER CLARA HILL BUS	721 LENOX AVE	2402 feet to the WNW
169	0404173	MOTHER CLARA HILL DEPOT -NYCT	721 LENOX AVE	2402 feet to the WNW
170	0401286	CLARA HALE BUS DEPOT	735 LENOX AVE	2402 feet to the WNW
171	0400382	MOTHER CLARA HALE DEPOT	721 LENOX AVE	2402 feet to the WNW
172	0311426	CLARA HALE BUS DEPOT	721 LENOX AVE	2402 feet to the WNW
173	0102743	HALE (146TH STREET) DEPOT	LENOX AVE/146TH ST	2402 feet to the WNW
174	1608021	FREDERICK DOUGLASS ACADEMY	2581 ADAM CLAYTON POWELL JR BLVD	2412 feet to the WNW
175	9004480	MELROSE -NYCHA	304 E 156TH ST	2434 feet to the E
176	0207044	MELROSE HOUSE -NYCHA	304 E 156TH ST	2434 feet to the E
177	9802251	APARTMENT BUILDING	250 WALTON AVE	2482 feet to the S
178	0308959	SERVICE BOX #4855	261 GR CONCOURSE/138TH ST	2482 feet to the S
179	9408104	GASETERIA	115 EAST 138TH STREET	2508 feet to the SSW
180	9709665	HIGHRISE BUILDING	775 CONCOURSE VILL EAST	2509 feet to the ENE

181	0305408	STORAGE UNIT	773 CONCOURSE VILLAGE E	2509 feet to the ENE
182	0914570	218947; RUPPERT PLACE	RUPPERT PLACE	2531 feet to the N
183	0200438	SPILL NUMBER 0200438	140TH ST & CANAL PL	2532 feet to the S
184	9212043	HESS/MERIT GAS STA.	120 WEST 145TH STREET	2583 feet to the W
185	1606459	FORMER MERIT/FORMER HESS STATION	122 WEST 145TH ST	2583 feet to the W
186	0506695	PATTERSON HOUSES -NYCHA	301 EAST 143RD STREET	2594 feet to the SE
187	0709365	STAINED SOIL FOUND IN EXCAVATION	EAST 138 STREET & EXTERIOR STREET	2595 feet to the SSW
188	0410113	15 WEST 139 STREET	15 W 139TH ST	2638 feet to the SW

Closed Status Spills (Miscellaneous Spill Causes) -- Total Sites - 41

MAP ID	FACILITY ID	FACILITY NAME
189	9213223	USPS VEHICLE MAINT. FAC.
190	9909080	IN SEWER OR VAULT
191	9908955	MANHOLE 4513
192	0311499	MAN HOLE #4513
193	1205845	HARLEM FURNITURE
194	9310947	138 EAST 150TH STREET
195	0805192	APART
196	9209173	611 GRAND CONCOURSE
197	8902680	611 GRAND CONCOURSE/MOBIL
198	1510416	MOBIL GAS STATION
199	1214560	GAS STATION
200	9708729	AMOCO
201	0814269	212353; GERARD AVENUE AND EAST 151 STREET
202	0814261	212325; GERARD AVENUE AND E151 STREET
203	0007591	GRAND CONCOURSE REALTY CO
204	0890157	207264; SWC GERARD AVE & E149 ST
205	0406667	MANHOLE#4510
206	9815541	MAJOR DEEGAN EXPRESS WAY
207	9704401	NYC DEPT CORRECTIONS
208	0103521	BRONX DETENTION CENTER
209	9308715	149TH ST & GRAND CONCOURS
210	9414927	730 GRAND CONCOURSE
211	1103540	VAULT # 612
212	9809111	SPILL NUMBER 9809111
213	0302730	MAN HOLE #640
214	8905553	318 GRAND CONCOURSE/BX
215	9713385	GETTY S/S #58409 - GETTY PROPERTIES
216	9610294	CLARE HALE DEPOT
217	9213322	-NYCT / 146 ST
218	9110782	146TH ST DEPOT
219	0703983	MOTHER CLARA HALE DEPOT
220	0513028	MOTHER CLARA HILL BUS
221	0008714	MOTHER CLARA HALE BUS DEP
222	0313357	YANKEE STADIUM
223	9011440	775 CONCOURSE VILLAGE E
224	9011294	775 CONCOURSE VILLAGE E
225	9011012	775 CONCORD VILLAGE E/BX
226	0612134	MULTI FAM DWG/COMM
227	0411448	SCHOOL #X183
228	9710056	PATTERSON HOUSES -NYCHA
229	8706724	MAJOR DEEGAN & 138TH ST/B

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

FACILITY STREET	DISTANCE & DIRECTION
580 GERARD AVENUE	0 feet
GERARD AV & E150TH ST	213 feet to the SW
EAST 15TH ST - GERARD AVE	213 feet to the SW
GERALD AVE AND 150ST.	213 feet to the SW
620 GERARD AVE	262 feet to the NNE
138 EAST 150TH STREET	369 feet to the SSE
175 EAST 151 STREET	404 feet to the ENE
611 GRAND CONCOURSE	457 feet to the E
611 GRAND CONCOURSE	457 feet to the E
611 GRAND CONCOURSE	457 feet to the E
611 GRAND CONCOURSE	457 feet to the E
99 EAST 149TH ST	475 feet to the SW
GERARD AVENUE AND EAST 151 STREET	537 feet to the N
GERARD AVENUE AND E151 STREET	537 feet to the N
557 GRAND CONCOURSE	568 feet to the SSE
SWC GERARD AVE & E149 ST	571 feet to the SSW
EAST 149 ST/GERARD AVE	571 feet to the SSW
NEAR 150TH ST	638 feet to the W
653 RIVER AVE	654 feet to the NW
653 RIVER AVE	654 feet to the NW
149TH ST & GRAND CONCOURS	764 feet to the SSE
730 GRAND CONCOURSE	1249 feet to the ENE
EAST 146 ST AND PARK AVE	1485 feet to the SSE
745 EXTERIOR ST	1702 feet to the NNW
RIDER AVE / E 143RD ST	1966 feet to the SSE
318 GRAND CONCOURSE	2190 feet to the S
119 W. 145TH ST	2372 feet to the W
721 LENOX AVE	2402 feet to the WNW
721 LENOX AVE	2402 feet to the WNW
721 LENOX AVE	2402 feet to the WNW
721 LENOX AVE	2402 feet to the WNW
721 LENOX AVE	2402 feet to the WNW
721 LENOX AVE	2402 feet to the WNW
153/157 STREET	2414 feet to the N
775 CONCOURSE VILLAGE E	2509 feet to the ENE
775 CONCOURSE VILLAGE E	2509 feet to the ENE
775 CONCORD VILLAGE EAST	2509 feet to the ENE
775 CONCOURSE VILLAGE	2509 feet to the ENE
339 MORRIS AV	2534 feet to the SSE
301 EAST 143RD STREET	2594 feet to the SE
MAJOR DEEGAN/138TH ST.	2608 feet to the SSW

Petroleum Bulk Storage Sites -- Total Sites – 20

MAP ID	FACILITY ID	FACILITY NAME
230	2-333212	VEHICLE MAINTENANCE FACILITY
231	2-476021	580 GERARD AVENUE
232	2-609485	AMERICAN SELF STORAGE
233	NY09332	ST LUKE'S HOSPITAL
234	2-070394	585 GERARD AVENUE CORP.
235	2-455660	DSNY M DISTRICT 9 GARAGE
236	2-110981	151ST AND WALTON LLC
237	2-156299	GLOBAL MONTELLO GROUP #3615
238	2-156590	MOBIL S/S 17-KRQ BRONX TERMINA
239	2-600626	BP#13990
240	2-604541	ENGINE COMPANY 41
241	2-610934	151 EAST 151ST STREET
242	NY02816	CONCOURSE METRO TIRE
243	2-207608	557 GRAND CONCOURSE
244	2-482803	JOSE PEREZ
245	2-610368	BRONX TERMINAL MARKET WATERFRONT PARK
246	2-187801	BRONX HOUSE OF DETENTION FOR MEN
247	NY02313	C KENNETH IMPORTS CO.
248	NY04829	HOSANNA PAPER CO
249	NY04830	HOSTOS COMMUNITY COLLEGE

Hazardous Waste Generators, Transporters -- Total Sites – 43

MAP ID	FACILITY ID	FACILITY NAME
250	NY5180010451	US POSTAL SERVICE – VMF
251	NYD982727885	UNITED STATES POST OFFICE
252	NYR000100255	AUTORAMA ENTERPRISES OF BRONX
253	NYN30003A415	DGI TRANSPORT CORP
254	NYP004998682	CON EDISON – MANHOLE 32269
255	NYP004813883	CON EDISON
256	NYP004045266	CONSOLIDATED EDISON
257	NYP004045357	CONSOLIDATED EDISON
258	NYP004212635	CONSOLIDATED EDISON – TM 625
259	NYP004648499	CON EDISON
260	NYP004749867	CON EDISON
261	NYP004779658	CON EDISON
262	NYP004206936	CON EDISON
263	NYP004206937	CONSOLIDATED EDISON
264	NYP004283008	CON EDISON TRANSFORMER MANHOLE: 643
265	NYP004289401	CON EDISON MANHOLE: 9515
266	NYP004289674	CON EDISON
267	NYP004784823	CON EDISON
268	NYP004883043	CON EDISON
269	NYD981487069	NYCDOS
270	NYP000858126	MANHATTAN WEST 9
271	NYP004359618	CON EDISON MANHOLE: 9515
272	NYP004359618	CON EDISON
273	NYD986955656	MOBIL OIL CORP
274	NYD986987899	BP WEST COAST PRODUCTS #13990
275	NYR000165407	PROW BUILDING
276	NYP004261830	CON EDISON

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

FACILITY STREET	DISTANCE & DIRECTION
580 GERARD AVENUE	0 feet
580 GERARD AVENUE	0 feet
586 RIVER AVENUE / 595 GERARD AVENUE	229 feet to the NW
595 GERARD AVE	229 feet to the NW
585 GERARD AVENUE	311 feet to the SW
125 EAST 149TH STREET	362 feet to the SSW
175 EAST 151ST STREET	418 feet to the ENE
611 GRAND CONCOURSE	463 feet to the E
99 EAST 149TH STREET	465 feet to the SW
99-113 149TH STREET	465 feet to the SW
150 E. 150TH STREET	477 feet to the SSE
151 EAST 151ST STREET	480 feet to the NNE
579 GRAND CONCOURSE	506 feet to the SE
557 GRAND CONCOURSE	571 feet to the SSE
557 GRAND CONCOURSE	571 feet to the SSE
EXTERIOR STREET & EAST 150TH STREET	638 feet to the W
653 RIVER AVENUE	644 feet to the NNW
586 CROMWELL AVE	644 feet to the NNW
586 CROMWELL AVE	644 feet to the NNW
120 E 149 ST	660 feet to the S

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

FACILITY STREET	DISTANCE & DIRECTION
580 GERARD AVE	0 feet
580 GERARD AVE	0 feet
610 GERARD AVE	0 feet
586 RIVER AVE	201 feet to the WNW
595 GERARD AVE	201 feet to the WNW
602 WALTON AVE	209 feet to the SE
MH4513-E 150TH ST & GERARD AVE	213 feet to the SW
TMH625-150TH ST & GERARD AVE	213 feet to the SW
150 & GERRARD	213 feet to the SW
GERARD AVE & E 150 ST	213 feet to the SW
GERARD AVE & E 150TH ST	213 feet to the SW
624 WALTON AVE	280 feet to the ENE
E 151ST ST & WALTON AVE	337 feet to the NE
MH9515 – E 151ST ST / WALTON AVE	337 feet to the NE
E 151ST ST & WALTON AVE	337 feet to the NE
E 151ST ST & WALTON AVE	337 feet to the NE
E. 151ST. STREET & WALTON	337 feet to the NE
WALTON AVE & E 151ST ST	337 feet to the NE
591 RIVER AVE	379 feet to the W
125 E 149TH ST	396 feet to the SSW
125 E 149TH ST	396 feet to the SSW
630 WALTON AVE	396 feet to the ENE
630 WALTON AVE	396 feet to the ENE
611 BRAND CONCOURSE	460 feet to the E
99 E 149TH ST	496 feet to the SW
560 EXTERIOR ST	532 feet to the WSW
GERARD AVE & E 151 ST	537 feet to the N

277	NYR000100131	NYC DOT	WALTON AVE	548 feet to the NE
278	NYP004225843	CONSOLIDATED EDISON	EAST 150ST GRAND CONCOURSE	557 feet to the SE
279	NYR000100149	NYCDOT BRIDGE BIN 2241409	GRAND CONCOURSE BRG OVER	571 feet to the E
280	NYR000150847	MTA NYCT – JEROME LINE 4 TUNNEL TRACK 1	GRAND CONCOURSE BLVD BETWEEN	571 feet to the E
281	NYP004221099	CONSOLIDATED EDISON	E 149 ST & GERARD AVE	571 feet to the SSW
282	NYR000164954	BJS WHOLESALE CLUB BJ0176	610 EXTERIOR ST	577 feet to the NW
283	NY0001492875	AMOCO SERVICE STATION	557 GRAND CONCOURSE	581 feet to the SSE
284	NYU005000450	557 GRAND CONCOURSE	557 GRAND CONCOURSE	581 feet to the SSE
285	NYD981487747	NYC BRONX HOUSE OF DETENTION FOR MEN	653 RIVER AVENUE	590 feet to the NW
286	NYP004657730	CON EDISON	161 E 150 ST F/O	599 feet to the SE
287	NYP004585691	CON EDISON	EAST 149 ST & RIVERA AVE	637 feet to the SW
288	NYP004715868	CON EDISON	W/S E 149 ST 100 N/O E RIVER ST	637 feet to the SW
289	NYP004074407	CONSOLIDATED EDISON	MH3895–150TH ST & EXTERIOR ST	638 feet to the W
290	NYP004146965	CONSOLIDATED EDISON	E 150TH ST & EXTERIOR ST	638 feet to the W
291	NYP004294948	CON EDISON	CROMWELL AVE E/S EXTERIOR ST	638 feet to the W
292	NYP005047489	CON EDISON – MANHOLE 23377	EXTERIOR ST & E 150TH ST INT	638 feet to the W
Air Discharge Sites -- Total Sites – 5				
MAP ID	FACILITY ID	FACILITY NAME	Database searched at 1/8 MILE – Non–ASTM Database	DISTANCE & DIRECTION
293	3600500116	P.O. GARRAGE	FACILITY STREET	0 feet
294	3600500093	MOBIL	580 GERARD AVE.	466 feet to the E
295	3600500294	MOBIL	611 GRAND CON.	473 feet to the SW
296	3600500235	AMOCO	99 E. 149TH ST.	578 feet to the SSE
297	3600500300	NYS EMERGENCY ELECTRICAL PLANT	557 GRAND CONCOURSE	594 feet to the NNW
			653 RIVER AVE	
Civil & Administrative Enforcement Docket Sites -- Total Sites – 2				
MAP ID	FACILITY ID	FACILITY NAME	Database searched at 1/8 MILE – Non–ASTM Database	DISTANCE & DIRECTION
298	NYD981487069	N Y C DEPT OF SANITATION	FACILITY STREET	368 feet to the SSW
299	NY0001492875	AMOCO	125 E 149TH ST	576 feet to the SSE
			557 GRAND CONCOURSE	
NYC Env. Quality Review – Env. Designation Sites -- Total Sites – 1				
MAP ID	FACILITY ID	FACILITY NAME	Database searched at 250 FT – ASTM required search distance: Onsite Only	DISTANCE & DIRECTION
300	E–292	BLOCK: 2353 LOT: 1	FACILITY STREET	0 feet
			580 GERARD AVENUE	

Identified Toxic Sites by Proximity

580 Gerard Avenue, Bronx, NY

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

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
300	BLOCK: 2353 LOT: 1	580 GERARD AVENUE	0 feet	NYC Env. Qual. Review-"E" Designation
250	US POSTAL SERVICE - VMF	580 GERARD AVE	0 feet	Hazardous Waste Generator/Transporter
251	UNITED STATES POST OFFICE	580 GERARD AVE	0 feet	Hazardous Waste Generator/Transporter
252	AUTORAMA ENTERPRISES OF BRONX	610 GERARD AVE	0 feet	Hazardous Waste Generator/Transporter
293	P.O. GARRAGE	580 GERARD AVE.	0 feet	Air Discharge Site
54	USPS VEHICLE MAINT. FAC.	580 GERARD AVENUE	0 feet	Closed Status Tank Test Failure
189	USPS VEHICLE MAINT. FAC.	580 GERARD AVENUE	0 feet	Closed Status Spill (Misc. Spill Cause)
230	VEHICLE MAINTENANCE FACILITY	580 GERARD AVENUE	0 feet	Petroleum Bulk Storage Site
231	580 GERARD AVENUE	580 GERARD AVENUE	0 feet	Petroleum Bulk Storage Site
253	DGI TRANSPORT CORP	586 RIVER AVE	201 feet to the WNW	Hazardous Waste Generator/Transporter
254	CON EDISON - MANHOLE 32269	595 GERARD AVE	201 feet to the WNW	Hazardous Waste Generator/Transporter
255	CON EDISON	602 WALTON AVE	209 feet to the SE	Hazardous Waste Generator/Transporter
90	TM625	GERARD AV / E 150TH ST	213 feet to the SW	Closed Status Spill (Unk/Other Cause)
91	221625; GERARD AVENUE	GERARD AVENUE	213 feet to the SW	Closed Status Spill (Unk/Other Cause)
190	IN SEWER OR VAULT	GERARD AV & E150TH ST	213 feet to the SW	Closed Status Spill (Misc. Spill Cause)
191	MANHOLE 4513	EAST 15TH ST - GERARD AVE	213 feet to the SW	Closed Status Spill (Misc. Spill Cause)
192	MAN HOLE #4513	GERALD AVE AND 150ST.	213 feet to the SW	Closed Status Spill (Misc. Spill Cause)
256	CONSOLIDATED EDISON	MH4513-E 150TH ST & GERARD AVE	213 feet to the SW	Hazardous Waste Generator/Transporter
257	CONSOLIDATED EDISON	TMH625-150TH ST & GERARD AVE	213 feet to the SW	Hazardous Waste Generator/Transporter
258	CONSOLIDATED EDISON - TM 625	150 & GERRARD	213 feet to the SW	Hazardous Waste Generator/Transporter
259	CON EDISON	GERARD AVE & E 150 ST	213 feet to the SW	Hazardous Waste Generator/Transporter
260	CON EDISON	GERARD AVE & E 150TH ST	213 feet to the SW	Hazardous Waste Generator/Transporter
232	AMERICAN SELF STORAGE	586 RIVER AVENUE / 595 GERARD AVENUE	229 feet to the NW	Petroleum Bulk Storage Site
233	ST LUKE'S HOSPITAL	595 GERARD AVE	229 feet to the NW	Petroleum Bulk Storage Site
193	HARLEM FURNITURE	620 GERARD AVE	262 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
92	208501; WALTON AVE & E150 ST	WALTON AVE & E150 ST	274 feet to the SSE	Closed Status Spill (Unk/Other Cause)
93	214322; WALTON AVE & E150 ST	WALTON AVE & E150 ST	274 feet to the SSE	Closed Status Spill (Unk/Other Cause)
261	CON EDISON	624 WALTON AVE	280 feet to the ENE	Hazardous Waste Generator/Transporter
234	585 GERARD AVENUE CORP.	585 GERARD AVENUE	311 feet to the SW	Petroleum Bulk Storage Site
262	CON EDISON	E 151ST ST & WALTON AVE	337 feet to the NE	Hazardous Waste Generator/Transporter
263	CONSOLIDATED EDISON	MH9515 - E 151ST ST / WALTON AVE	337 feet to the NE	Hazardous Waste Generator/Transporter
264	CON EDISON TRANSFORMER MANHOLE: 643	E 151ST ST & WALTON AVE	337 feet to the NE	Hazardous Waste Generator/Transporter
265	CON EDISON MANHOLE: 9515	E 151ST ST & WALTON AVE	337 feet to the NE	Hazardous Waste Generator/Transporter
266	CON EDISON	E. 151ST. STREET & WALTON	337 feet to the NE	Hazardous Waste Generator/Transporter
267	CON EDISON	WALTON AVE & E 151ST ST	337 feet to the NE	Hazardous Waste Generator/Transporter
235	DSNY M DISTRICT 9 GARAGE	125 EAST 149TH STREET	362 feet to the SSW	Petroleum Bulk Storage Site
55	NYCDOS TANK TEST FAILURE	545 GERARD AVE / 125 EAST 149TH STREET	367 feet to the SSW	Closed Status Tank Test Failure
56	NYC DEPT OF SANITATION TTF	545 GERARD AVE	367 feet to the SSW	Closed Status Tank Test Failure
94	MANHATTAN WEST 09 DOS -DDC	125 EAST 149TH STREET	367 feet to the SSW	Closed Status Spill (Unk/Other Cause)
298	N Y C DEPT OF SANITATION	125 E 149TH ST	368 feet to the SSW	Civil & Admin. Enforcement Docket Site
194	138 EAST 150TH STREET	138 EAST 150TH STREET	369 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
268	CON EDISON	591 RIVER AVE	379 feet to the W	Hazardous Waste Generator/Transporter
269	NYCDOS	125 E 149TH ST	396 feet to the SSW	Hazardous Waste Generator/Transporter
270	MANHATTAN WEST 9	125 E 149TH ST	396 feet to the SSW	Hazardous Waste Generator/Transporter
271	CON EDISON MANHOLE: 9515	630 WALTON AVE	396 feet to the ENE	Hazardous Waste Generator/Transporter

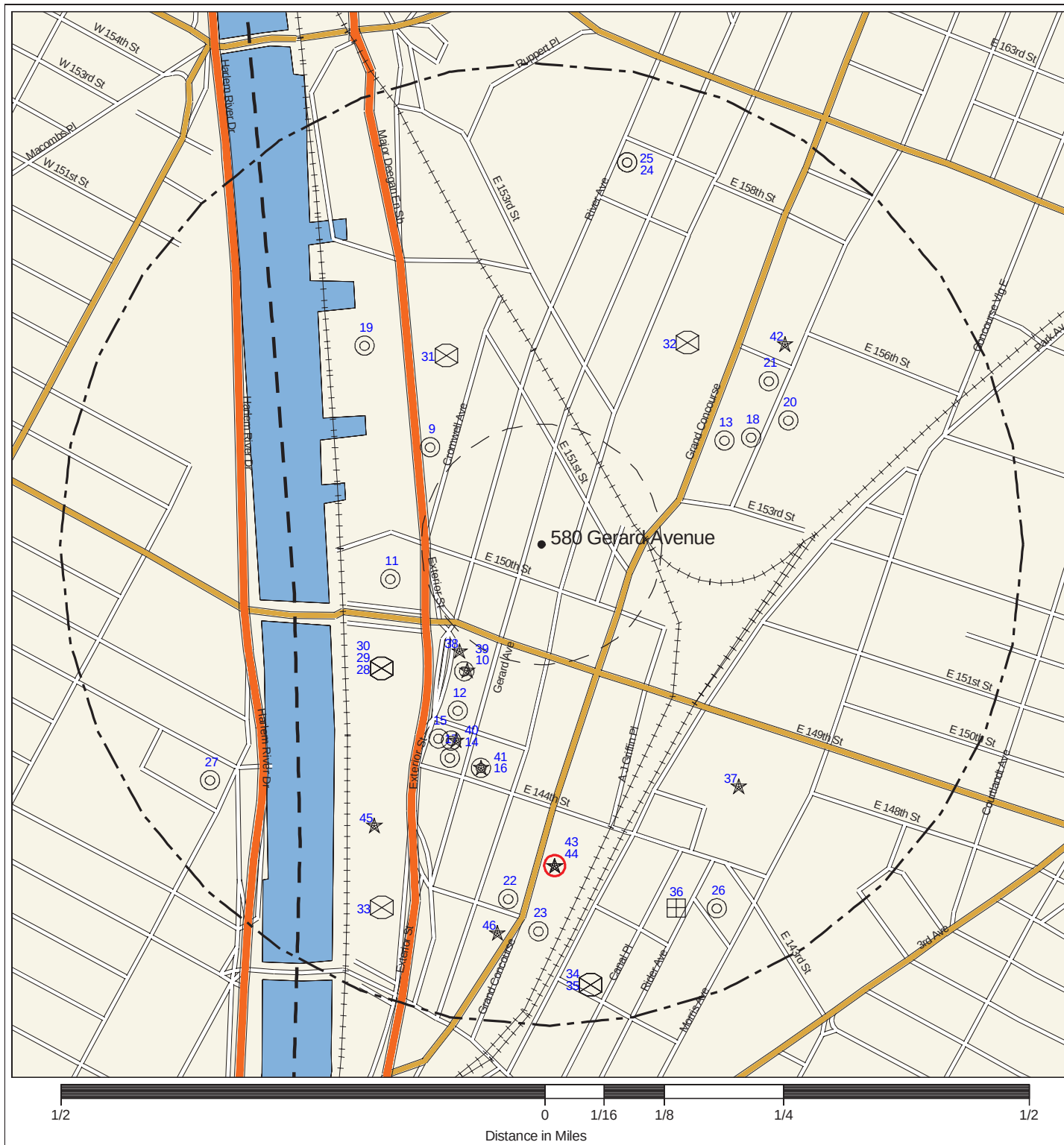
272	CON EDISON	630 WALTON AVE	396 feet to the ENE	Hazardous Waste Generator/Transporter
95	SPILL NUMBER 0406130	CEDAR LANE/EAST 151 ST	399 feet to the E	Closed Status Spill (Unk/Other Cause)
195	APART	175 EAST 151 STREET	404 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
236	151ST AND WALTON LLC	175 EAST 151ST STREET	418 feet to the ENE	Petroleum Bulk Storage Site
96	ARIANE AUTO REPAIR GENERAL MECHANIC SERVICES	572 WALTON AVE	433 feet to the SSE	Closed Status Spill (Unk/Other Cause)
97	MOBIL	611 GRAND CONCOURSE	457 feet to the E	Closed Status Spill (Unk/Other Cause)
98	MOBIL GAS 12971(17-KTA)	611 GRAND CONCOURSE	457 feet to the E	Closed Status Spill (Unk/Other Cause)
196	611 GRAND CONCOURSE	611 GRAND CONCOURSE	457 feet to the E	Closed Status Spill (Misc. Spill Cause)
197	611 GRAND CONCOURSE/MOBIL	611 GRAND CONCOURSE	457 feet to the E	Closed Status Spill (Misc. Spill Cause)
198	MOBIL GAS STATION	611 GRAND CONCOURSE	457 feet to the E	Closed Status Spill (Misc. Spill Cause)
199	GAS STATION	611 GRAND CONCOURSE	457 feet to the E	Closed Status Spill (Misc. Spill Cause)
273	MOBIL OIL CORP	611 BRAND CONCOURSE	460 feet to the E	Hazardous Waste Generator/Transporter
237	GLOBAL MONTELLO GROUP #3615	611 GRAND CONCOURSE	463 feet to the E	Petroleum Bulk Storage Site
238	MOBIL S/S 17-KRQ BRONX TERMINA	99 EAST 149TH STREET	465 feet to the SW	Petroleum Bulk Storage Site
239	BP#13990	99-113 149TH STREET	465 feet to the SW	Petroleum Bulk Storage Site
294	MOBIL	611 GRAND CON.	466 feet to the E	Air Discharge Site
295	MOBIL	99 E. 149TH ST.	473 feet to the SW	Air Discharge Site
57	SPARTAN PETROLEUM/ MOBIL STATION	99 EAST 149TH ST	475 feet to the SW	Closed Status Tank Test Failure
58	MOBIL	99 EAST 149TH ST	475 feet to the SW	Closed Status Tank Test Failure
99	MANHATTAN WEST 09 DOS -DDC	99 EAST 149TH ST	475 feet to the SW	Closed Status Spill (Unk/Other Cause)
100	MOBIL	99 EAST 149TH ST	475 feet to the SW	Closed Status Spill (Unk/Other Cause)
101	MOBIL	99 EAST 149TH STREET	475 feet to the SW	Closed Status Spill (Unk/Other Cause)
102	AMOCO SERVICE STATION	99 EAST 149TH STREET	475 feet to the SW	Closed Status Spill (Unk/Other Cause)
103	AMOCO	99 EAST 149TH ST	475 feet to the SW	Closed Status Spill (Unk/Other Cause)
200	AMOCO	99 EAST 149TH ST	475 feet to the SW	Closed Status Spill (Misc. Spill Cause)
240	ENGINE COMPANY 41	150 E. 150TH STREET	477 feet to the SSE	Petroleum Bulk Storage Site
241	151 EAST 151ST STREET	151 EAST 151ST STREET	480 feet to the NNE	Petroleum Bulk Storage Site
274	BP WEST COAST PRODUCTS #13990	99 E 149TH ST	496 feet to the SW	Hazardous Waste Generator/Transporter
242	CONCOURSE METRO TIRE	579 GRAND CONCOURSE	506 feet to the SE	Petroleum Bulk Storage Site
275	PROW BUILDING	560 EXTERIOR ST	532 feet to the WSW	Hazardous Waste Generator/Transporter
201	212353; GERARD AVENUE AND EAST 151 STREET	GERARD AVENUE AND EAST 151 STREET	537 feet to the N	Closed Status Spill (Misc. Spill Cause)
202	212325; GERARD AVENUE AND E151 STREET	GERARD AVENUE AND E151 STREET	537 feet to the N	Closed Status Spill (Misc. Spill Cause)
276	CON EDISON	GERARD AVE & E 151 ST	537 feet to the N	Hazardous Waste Generator/Transporter
277	NYC DOT	WALTON AVE	548 feet to the NE	Hazardous Waste Generator/Transporter
278	CONSOLIDATED EDISON	EAST 150ST GRAND CONCOURSE	557 feet to the SE	Hazardous Waste Generator/Transporter
104	COMMERCIAL PROPERTY	557 GRAND CONCOURSE	557 feet to the SSE	Closed Status Spill (Unk/Other Cause)
203	GRAND CONCOURSE REALTY CO	557 GRAND CONCOURSE	568 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
105	MANHOLE #4506	149TH & GERARD AVE	571 feet to the SSW	Closed Status Spill (Unk/Other Cause)
204	207264; SWC GERARD AVE & E149 ST	SWC GERARD AVE & E149 ST	571 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
205	MANHOLE#4510	EAST 149 ST/GERARD AVE	571 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
243	557 GRAND CONCOURSE	557 GRAND CONCOURSE	571 feet to the SSE	Petroleum Bulk Storage Site
244	JOSE PEREZ	557 GRAND CONCOURSE	571 feet to the SSE	Petroleum Bulk Storage Site
279	NYCDOT BRIDGE BIN 2241409	GRAND CONCOURSE BRG OVER	571 feet to the E	Hazardous Waste Generator/Transporter
280	MTA NYCT - JEROME LINE 4 TUNNEL TRACK 1	GRAND CONCOURSE BLVD BETWEEN	571 feet to the E	Hazardous Waste Generator/Transporter
281	CONSOLIDATED EDISON	E 149 ST & GERARD AVE	571 feet to the SSW	Hazardous Waste Generator/Transporter
299	AMOCO	557 GRAND CONCOURSE	576 feet to the SSE	Civil & Admin. Enforcement Docket Site
282	BJS WHOLESALE CLUB BJ0176	610 EXTERIOR ST	577 feet to the NW	Hazardous Waste Generator/Transporter
296	AMOCO	557 GRAND CONCOURSE	578 feet to the SSE	Air Discharge Site
283	AMOCO SERVICE STATION	557 GRAND CONCOURSE	581 feet to the SSE	Hazardous Waste Generator/Transporter
284	557 GRAND CONCOURSE	557 GRAND CONCOURSE	581 feet to the SSE	Hazardous Waste Generator/Transporter
285	NYC BRONX HOUSE OF DETENTION FOR MEN	653 RIVER AVENUE	590 feet to the NW	Hazardous Waste Generator/Transporter
297	NYS EMERGENCY ELECTRICAL PLANT	653 RIVER AVE	594 feet to the NNW	Air Discharge Site
286	CON EDISON	161 E 150 ST F/O	599 feet to the SE	Hazardous Waste Generator/Transporter

287	CON EDISON	EAST 149 ST & RIVERA AVE	637 feet to the SW	Hazardous Waste Generator/Transporter
288	CON EDISON	W/S E 149 ST 100 N/O E RIVER ST	637 feet to the SW	Hazardous Waste Generator/Transporter
106	MANHOLE 3889	EXTERIOR ST/150TH ST	638 feet to the W	Closed Status Spill (Unk/Other Cause)
107	208591; EXTERIOR ST	EXTERIOR ST	638 feet to the W	Closed Status Spill (Unk/Other Cause)
108	204710; EXTERIOR ST	EXTERIOR ST	638 feet to the W	Closed Status Spill (Unk/Other Cause)
109	NEXT TO YANKEE STADIUM	150TH /EXTERIOR STREET	638 feet to the W	Closed Status Spill (Unk/Other Cause)
110	SPILL NUMBER 0204235	MAJOR DEEGAN/150TH ST	638 feet to the W	Closed Status Spill (Unk/Other Cause)
206	MAJOR DEEGAN EXPRESS WAY	NEAR 150TH ST	638 feet to the W	Closed Status Spill (Misc. Spill Cause)
245	BRONX TERMINAL MARKET WATERFRONT PARK	EXTERIOR STREET & EAST 150TH STREET	638 feet to the W	Petroleum Bulk Storage Site
289	CONSOLIDATED EDISON	MH3895-150TH ST & EXTERIOR ST	638 feet to the W	Hazardous Waste Generator/Transporter
290	CONSOLIDATED EDISON	E 150TH ST & EXTERIOR ST	638 feet to the W	Hazardous Waste Generator/Transporter
291	CON EDISON	CROMWELL AVE E/S EXTERIOR ST	638 feet to the W	Hazardous Waste Generator/Transporter
292	CON EDISON - MANHOLE 23377	EXTERIOR ST & E 150TH ST INT	638 feet to the W	Hazardous Waste Generator/Transporter
246	BRONX HOUSE OF DETENTION FOR MEN	653 RIVER AVENUE	644 feet to the NNW	Petroleum Bulk Storage Site
247	C KENNETH IMPORTS CO.	586 CROMWELL AVE	644 feet to the NNW	Petroleum Bulk Storage Site
248	HOSANNA PAPER CO	586 CROMWELL AVE	644 feet to the NNW	Petroleum Bulk Storage Site
111	BRONX HOUSE OF DETENTION	653 RIVER AVE.	654 feet to the NW	Closed Status Spill (Unk/Other Cause)
207	NYC DEPT CORRECTIONS	653 RIVER AVE	654 feet to the NW	Closed Status Spill (Misc. Spill Cause)
208	BRONX DETENTION CENTER	653 RIVER AVE	654 feet to the NW	Closed Status Spill (Misc. Spill Cause)
249	HOSTOS COMMUNITY COLLEGE	120 E 149 ST	660 feet to the S	Petroleum Bulk Storage Site
112	TRANSFORMER MANHOLE 644	EAST 149TH ST	702 feet to the SW	Closed Status Spill (Unk/Other Cause)
38	COMMERCIAL	100 EAST 149TH ST	728 feet to the SW	Active Haz Spill (Unknown/Other Cause)
113	NORTHBOUD SERVICE RD	EXIT 4 MAJOR DEAGAN	762 feet to the WSW	Closed Status Spill (Unk/Other Cause)
209	149TH ST & GRAND CONCOURS	149TH ST & GRAND CONCOURS	764 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
39	PHASE 2 - OER	110 EAST 149TH STREET	792 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
9	GATEWAY CENTER AT BRONX TERMINAL MARKET, EASTERN	EXTERIOR STREET	811 feet to the NW	Brownfields Site
10	110 EAST 149TH STREET	110 EAST 149TH STREET	814 feet to the SSW	Brownfields Site
11	BRONX POINT	65 EAST 149TH STREET	851 feet to the WSW	Brownfields Site
114	475 WALTON AVENUE	475 WALTON AVENUE	982 feet to the S	Closed Status Spill (Unk/Other Cause)
59	CLOSED-LACKOF RECENT INFO	471 WALTON AVE	1001 feet to the SSW	Closed Status Tank Test Failure
115	MANHOLE 4526	EAST 153RD STREET+GERARD	1007 feet to the NNE	Closed Status Spill (Unk/Other Cause)
116	UNDER CONSTRUCTION	500 EXTERIOR ST	1010 feet to the SSW	Closed Status Spill (Unk/Other Cause)
12	477 GERARD AVENUE	477 GERARD AVENUE	1021 feet to the SSW	Brownfields Site
60	500 GRAND CONCOURSE	500 GRAND CONCOURSE	1021 feet to the SSE	Closed Status Tank Test Failure
117	HOSTOS COMMUNITY COLLEGE	500 GRAND CONCOURSE	1021 feet to the SSE	Closed Status Spill (Unk/Other Cause)
118	CANDLEWOOD AUTO MALL	676 GRAND CONCOURSE	1023 feet to the ENE	Closed Status Spill (Unk/Other Cause)
119	EQUINOX X 149 ST OF DEGAN	475 EXTERIOR STREET	1064 feet to the SW	Closed Status Spill (Unk/Other Cause)
120	PIER # 4 BRONX TERMINAL M	EAST 150TH	1091 feet to the W	Closed Status Spill (Unk/Other Cause)
28	BRONX COUNTY RECYCLING	475 EXTERIOR STREET	1107 feet to the SW	Solid Waste Facility
29	EQUINOX ASSOCIATES, INC. (UNIVERSAL DEMO	475 EXTERIOR STREET	1107 feet to the SW	Solid Waste Facility
30	NEW YORK RECYCLING LLC	475 EXTERIOR STREET	1107 feet to the SW	Solid Waste Facility
121	BROWNFIELD PRO #C203015	49 BRONX TERMINAL MARKET	1151 feet to the NNW	Closed Status Spill (Unk/Other Cause)
13	CONCOURSE VILLAGE WEST APARTMENTS - SOUTH	741 CONCOURSE VILLAGE AND 702 GRAND CONCOURSE	1154 feet to the ENE	Brownfields Site
40	COMMERCIAL PROPRTY	445 GERARD AVE	1161 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
31		BRONX TERMINAL MARKET	1165 feet to the NNW	Solid Waste Facility
122	RESIDENTIAL	702 GRAND CONCORDE	1165 feet to the ENE	Closed Status Spill (Unk/Other Cause)
14	GERARD AVENUE AND EAST 146TH STREET SITE	417 AND 445 GERARD AVENUE, 440 MAJ WM DEEGAN BLVD	1184 feet to the SSW	Brownfields Site
123	HARLHEM RIVER	145TH STREET BRIDGE	1197 feet to the WSW	Closed Status Spill (Unk/Other Cause)
15	GERARD AVENUE AND EAST 146TH STREET SITE	417 AND 445 GERARD AVENUE, 440 MAJ WM DEEGAN BLVD	1205 feet to the SSW	Brownfields Site
124	RESIDENTS	730 GRAND CONCOURSE	1249 feet to the ENE	Closed Status Spill (Unk/Other Cause)
210	730 GRAND CONCOURSE	730 GRAND CONCOURSE	1249 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
41	SOIL	414 GERARD AVE	1256 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
16	FORMER ROCKET JEWELRY BOX SITE	414 GERARD AVENUE	1270 feet to the SSW	Brownfields Site

17	GERARD AVENUE AND EAST 146TH STREET SITE	417 AND 445 GERARD AVENUE, 440 MAJ WM DEEGAN BLVD	1273 feet to the SSW	Brownfields Site
18	CONCOURSE VILLAGE WEST APARTMENTS – SOUTH	741 CONCOURSE VILLAGE AND 702 GRAND CONCOURSE	1290 feet to the ENE	Brownfields Site
125	PRIVATE DWELLING	710 GERARD AVE	1343 feet to the NNE	Closed Status Spill (Unk/Other Cause)
126	725 EXTERIOR ST	725 EXTERIOR ST	1353 feet to the NW	Closed Status Spill (Unk/Other Cause)
127	PIER 2 BRONX TERMINAL MARKET	725 EXTERIOR ST	1353 feet to the NW	Closed Status Spill (Unk/Other Cause)
32		FRANZ SIEGEL PARK	1370 feet to the NE	Solid Waste Facility
47	HOSTOS COMMUNITY COLLEGE	WALTON AVE EAST 144TH ST.	1376 feet to the S	Closed Status Tank Failure
128	MANHOLE # 9489	WALTON AVE EAST 144TH ST.	1376 feet to the S	Closed Status Spill (Unk/Other Cause)
19	GATEWAY CENTER AT BRONX TERMINAL MARKET, WESTERN	EXTERIOR STREET	1460 feet to the NW	Brownfields Site
211	VAULT # 612	EAST 146 ST AND PARK AVE	1485 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
20	FORMER METRO NORTH PROPERTY	730 CONCOURSE VILLAGE WEST	1514 feet to the ENE	Brownfields Site
48	225 EAST 149TH ST/BX	225 EAST 149TH STREET	1525 feet to the ESE	Closed Status Tank Failure
129	VAULT # 3200	231 EAST 149 ST NEAR PARK AVE	1525 feet to the ESE	Closed Status Spill (Unk/Other Cause)
21	CONCOURSE VILLAGE WEST APARTMENTS – NORTH	180 EAST 156TH STREET	1534 feet to the NE	Brownfields Site
130	EXCAVATION SITE	180 EAST 156TH ST	1546 feet to the NE	Closed Status Spill (Unk/Other Cause)
61	GERARDO WOODWORKING	168 EAST 144TH STREET	1578 feet to the S	Closed Status Tank Test Failure
62	COMMERCAIL BUILD	200 EAST 146TH STREET	1586 feet to the SSE	Closed Status Tank Test Failure
131	IN THE RIVER	145TH STREET BRIDGE	1586 feet to the WSW	Closed Status Spill (Unk/Other Cause)
132	HERLEM RIVER	145TH STREET BRIDGE	1586 feet to the WSW	Closed Status Spill (Unk/Other Cause)
63	APARTMENT	635 MORRIS AVE	1603 feet to the E	Closed Status Tank Test Failure
133	U HAUL #803-68	368 WALTON AVE	1660 feet to the S	Closed Status Spill (Unk/Other Cause)
1	MOTT HAVEN MGP PLUME TRACKDOWN	CONCOURSE VILLAGE WEST AT EAST 156TH STREET	1680 feet to the NE	NYSDEC Inactive Haz Waste Disposal Site
37	UNDERGROUND TANK	234 EAST 149TH ST	1701 feet to the SE	Active Tank Test Failure
64	LINCOLN HOSPITAL TTF	234 EAST 149TH STREET	1701 feet to the SE	Closed Status Tank Test Failure
65	LINCOLN MEDICAL CENTER	234 EAST 149TH ST	1701 feet to the SE	Closed Status Tank Test Failure
134	LINCOLN HOSPITAL AMBULANCE BAY	234 EAST 149	1701 feet to the SE	Closed Status Spill (Unk/Other Cause)
135	LINCOLN HOSPITAL	234 E 149TH ST	1701 feet to the SE	Closed Status Spill (Unk/Other Cause)
212	SPILL NUMBER 9809111	745 EXTERIOR ST	1702 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
136	215 E 144TH STREET	215 E 144TH STREET	1715 feet to the SSE	Closed Status Spill (Unk/Other Cause)
42	PARKING GARAGE	173 E 156TH STREET	1736 feet to the NE	Active Haz Spill (Unknown/Other Cause)
66	PARKING GARAGE – TTF	751 CONCOURSE VILLAGE WEST	1736 feet to the NE	Closed Status Tank Test Failure
137	PARKING GARGAGE	751 CONCOURSE VILLAGE WES	1736 feet to the NE	Closed Status Spill (Unk/Other Cause)
49	EXCAVATION	675 MORRIS AVE	1745 feet to the E	Closed Status Tank Failure
43	FORMER HESS STATION 32GRA	370 GRAND CONCOURSE	1751 feet to the S	Active Haz Spill (Unknown/Other Cause)
44	BP AMOCO STATION #17782	350 GRAND CONCOURSE	1751 feet to the S	Active Haz Spill (Unknown/Other Cause)
45	COMMERCIAL PROPERTY	355 EXTERIOR ST	1783 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
138	PS 156	750 GRAND CONCOURSE VIL W.	1865 feet to the ENE	Closed Status Spill (Unk/Other Cause)
67	PREMIER METALS	381 CANAL PLACE	1872 feet to the SSE	Closed Status Tank Test Failure
68	381 CANAL PLACE	381 CANAL PLACE	1872 feet to the SSE	Closed Status Tank Test Failure
139	381 CANAL PLACE	381 CANAL PLACE	1872 feet to the SSE	Closed Status Spill (Unk/Other Cause)
140	211656; MORRIS AVE AND E 153 ST	MORRIS AVE AND E 153 ST	1914 feet to the E	Closed Status Spill (Unk/Other Cause)
141	YANKEE STADIUM PARKING LOT	RIVER AVE/ EAST 157TH ST	1936 feet to the N	Closed Status Spill (Unk/Other Cause)
142	SPILL NUMBER 0306819	E 157TH ST/RIVER AVE	1936 feet to the N	Closed Status Spill (Unk/Other Cause)
143	VAULT 5082 E 157TH ST &	E 157TH ST & RIVER AV	1936 feet to the N	Closed Status Spill (Unk/Other Cause)
22	335 GRAND CONCOURSE	335 GRAND CONCOURSE	1952 feet to the S	Brownfields Site
213	MAN HOLE #640	RIDER AVE / E 143RD ST	1966 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
144	SERVICE BOX	325 EXTERIOR ST	1970 feet to the SSW	Closed Status Spill (Unk/Other Cause)
145	VERIZON BUILDING	325 EXTERIOR STREET	1970 feet to the SSW	Closed Status Spill (Unk/Other Cause)
146	BEHIND GAL MANUFACTURERS	50 E.153RD ST	1999 feet to the NNW	Closed Status Spill (Unk/Other Cause)
147	146TH &147TH ST/LENOX AVE	146TH &147TH ST/LENOX AVE	2008 feet to the W	Closed Status Spill (Unk/Other Cause)
148	TECHNIC AUTO SERVICES CORP	699 MORRIS AVE.	2013 feet to the E	Closed Status Spill (Unk/Other Cause)
149	141ST ST& GRAND CONCOURSE	141ST ST &GRAND CONCOURSE	2048 feet to the S	Closed Status Spill (Unk/Other Cause)
23	310 GRAND CONCOURSE	310-336 GRAND CONCOURSE	2121 feet to the S	Brownfields Site

36	POWER CHEMICAL CO INC	387 RIDER AVE	2123 feet to the SSE	Hazardous Waste Treat, Storage, Disposal
46	FORMER CITYGAS/LAGE CAR WASH	315 GRAND CONCOURSE	2132 feet to the S	Active Haz Spill (Unknown/Other Cause)
150	ABANDONED GAS STATION	315 GRAND CONCOURSE	2132 feet to the S	Closed Status Spill (Unk/Other Cause)
24	810 RIVER	810 RIVER AVENUE	2148 feet to the NNE	Brownfields Site
25	810 RIVER AVENUE	810 RIVER AVENUE	2148 feet to the NNE	Brownfields Site
33	CON-EDISON @ SERVICE CENTER	281 EXTERIOR STREET	2170 feet to the SSW	Solid Waste Facility
151	VAULT #VS2380	CANAL PL/E 141ST	2177 feet to the SSE	Closed Status Spill (Unk/Other Cause)
152	SPILL NUMBER 9702764	310 GRAND CONCOURSE	2190 feet to the S	Closed Status Spill (Unk/Other Cause)
214	318 GRAND CONCOURSE/BX	318 GRAND CONCOURSE	2190 feet to the S	Closed Status Spill (Misc. Spill Cause)
153	COMMERCIAL	26 50 PARK AVE	2201 feet to the S	Closed Status Spill (Unk/Other Cause)
26	MORRIS COURT APARTMENTS	247 EAST 142ND STREET	2214 feet to the SSE	Brownfields Site
154	VAULT 3328	2 WEST 142ND STREET	2219 feet to the SW	Closed Status Spill (Unk/Other Cause)
27	2350 FIFTH AVENUE	2350 FIFTH AVENUE	2231 feet to the SW	Brownfields Site
2	2350 FIFTH AVE., NEW YORK (AKA, PS 141)	2340 & 2350 FIFTH AVENUE	2235 feet to the SW	NYSDEC Inactive Haz Waste Disposal Site
155	MTA	711 LENOX AVE	2265 feet to the W	Closed Status Spill (Unk/Other Cause)
156	MOTTHAVEN	790 CONCOURSE VILLAGE WES	2269 feet to the NE	Closed Status Spill (Unk/Other Cause)
157	MANHOLE #7087	IFO 301 E 149TH SR	2287 feet to the ESE	Closed Status Spill (Unk/Other Cause)
158	VAULT 3804	5TH AV/W141ST ST	2304 feet to the SW	Closed Status Spill (Unk/Other Cause)
159	143RD ST ASSOCIATES	44-58 WEST 143RD ST	2321 feet to the WSW	Closed Status Spill (Unk/Other Cause)
160	TRANSFORMER VAULT #2190	CONCOURSE VILLAGE/EAST158	2349 feet to the NE	Closed Status Spill (Unk/Other Cause)
161	GETTY#58409	119 W. 145TH ST	2372 feet to the W	Closed Status Spill (Unk/Other Cause)
215	GETTY S/S #58409 - GETTY PROPERTIES	119 W. 145TH ST	2372 feet to the W	Closed Status Spill (Misc. Spill Cause)
50	101-125 WEST 147TH ST.	101-125 WEST 147TH ST.	2380 feet to the WNW	Closed Status Tank Failure
162	SPILL NUMBER 9900030	2541 7TH AVE	2380 feet to the WNW	Closed Status Spill (Unk/Other Cause)
163	SPILL NUMBER 0212767	101/125 W.147TH ST	2380 feet to the WNW	Closed Status Spill (Unk/Other Cause)
51	101-165 W 146TH ST/BX	1010165 WEST 146TH STREET	2402 feet to the WNW	Closed Status Tank Failure
69	146TH ST & LENOX AVE	721 LENOX AVE	2402 feet to the WNW	Closed Status Tank Test Failure
70	MOTHER CLARA HALE (146TH ST) DEPOT -NYCT	721 LENOX AVE	2402 feet to the WNW	Closed Status Tank Test Failure
71	MOTHER CLARA HALE (146TH ST) DEPOT -NYCT	721 LENOX AVE	2402 feet to the WNW	Closed Status Tank Test Failure
72	CONTAINMENT AREA	721 LENOX AVE	2402 feet to the WNW	Closed Status Tank Test Failure
73	MOTHER CLARA HALE DEPOT	721 LENOX AVE	2402 feet to the WNW	Closed Status Tank Test Failure
74	MOTHER CLARA HALE DEPOT	721 LENOX AVE	2402 feet to the WNW	Closed Status Tank Test Failure
75	NYC TRANSIT	146TH ST & LENOX	2402 feet to the WNW	Closed Status Tank Test Failure
164	HALE (146TH STREET) DEPOT-NYCT	721 LENNOX AVE	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
165	146TH ST BUS DEPOT	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
166	146TH STREET DEPOT	146TH STREET DEPOT	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
167	146 WEST 147TH ST/MANH	146 WEST 147TH STREET	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
168	MOTHER CLARA HILL BUS	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
169	MOTHER CLARA HILL DEPOT -NYCT	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
170	CLARA HALE BUS DEPOT	735 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
171	MOTHER CLARA HALE DEPOT	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
172	CLARA HALE BUS DEPOT	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
173	HALE (146TH STREET) DEPOT	LENOX AVE/146TH ST	2402 feet to the WNW	Closed Status Spill (Unk/Other Cause)
216	CLARE HALE DEPOT	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
217	-NYCT / 146 ST	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
218	146TH ST DEPOT	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
219	MOTHER CLARA HALE DEPOT	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
220	MOTHER CLARA HILL BUS	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
221	MOTHER CLARA HALE BUS DEP	721 LENOX AVE	2402 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
174	FREDERICK DOUGLASS ACADEMY	2581 ADAM CLAYTON POWELL JR BLVD	2412 feet to the WNW	Closed Status Spill (Unk/Other Cause)
76	YANKEE STADIUM	800 RUPPERT PLACE	2414 feet to the N	Closed Status Tank Test Failure
77	YANKEE STADIUM	161 STREET/RIVER AVE	2414 feet to the N	Closed Status Tank Test Failure
222	YANKEE STADIUM	153/157 STREET	2414 feet to the N	Closed Status Spill (Misc. Spill Cause)

34	ECOLOGY RECYCLING PLANT		2424 feet to the S	Solid Waste Facility
35	ECOLOGY RECYCLING PLANT	321 CANAL PLACE	2424 feet to the S	Solid Waste Facility
78	MELROSE-NYCHA	304 E 156TH ST	2434 feet to the E	Closed Status Tank Test Failure
79	MELROSE HOUSES	304 E 156TH ST	2434 feet to the E	Closed Status Tank Test Failure
80	MELROSE HOUSES	304 E 156TH ST	2434 feet to the E	Closed Status Tank Test Failure
81	MELROSE HOUSES -NYCHA	304 E 156TH ST	2434 feet to the E	Closed Status Tank Test Failure
82	MELROSE HOUSES	304 E 156TH ST	2434 feet to the E	Closed Status Tank Test Failure
83	MELROSE HOUSES -NYCHA	304 E 156TH ST	2434 feet to the E	Closed Status Tank Test Failure
175	MELROSE -NYCHA	304 E 156TH ST	2434 feet to the E	Closed Status Spill (Unk/Other Cause)
176	MELROSE HOUSE -NYCHA	304 E 156TH ST	2434 feet to the E	Closed Status Spill (Unk/Other Cause)
177	APARTMENT BUILDING	250 WALTON AVE	2482 feet to the S	Closed Status Spill (Unk/Other Cause)
178	SERVICE BOX #4855	261 GR CONCOURSE/138TH ST	2482 feet to the S	Closed Status Spill (Unk/Other Cause)
84	BROWNS CO COURT HOUSE	851 GRAND CONCOURSE	2485 feet to the NNE	Closed Status Tank Test Failure
85	GASETERIA	115 EAST 138TH STREET	2508 feet to the SSW	Closed Status Tank Test Failure
179	GASETERIA	115 EAST 138TH STREET	2508 feet to the SSW	Closed Status Spill (Unk/Other Cause)
52	775 CONCORSE VILLAGE EAST	775 CONCORSE VILLAGE EAST	2509 feet to the ENE	Closed Status Tank Failure
180	HIGHRISE BUILDING	775 CONCOURSE VILL EAST	2509 feet to the ENE	Closed Status Spill (Unk/Other Cause)
181	STORAGE UNIT	773 CONCOURSE VILLAGE E	2509 feet to the ENE	Closed Status Spill (Unk/Other Cause)
223	775 CONCOURSE VILLAGE E	775 CONCOURSE VILLAGE E	2509 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
224	775 CONCOURSE VILLAGE E	775 CONCOURSE VILLAGE E	2509 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
225	775 CONCORD VILLAGE E/BX	775 CONCORD VILLAGE EAST	2509 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
226	MULTI FAM DWG/COMM	775 CONCOURSE VILLAGE	2509 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
182	218947; RUPPERT PLACE	RUPPERT PLACE	2531 feet to the N	Closed Status Spill (Unk/Other Cause)
183	SPILL NUMBER 0200438	140TH ST & CANAL PL	2532 feet to the S	Closed Status Spill (Unk/Other Cause)
227	SCHOOL #X183	339 MORRIS AV	2534 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
86	120-128 WEST 145TH STREET	120-128 WEST 145TH STREET	2583 feet to the W	Closed Status Tank Test Failure
87	120-128 W.145TH ST	120-128 W.145TH ST	2583 feet to the W	Closed Status Tank Test Failure
184	HESS/MERIT GAS STA.	120 WEST 145TH STREET	2583 feet to the W	Closed Status Spill (Unk/Other Cause)
185	FORMER MERIT/FORMER HESS STATION	122 WEST 145TH ST	2583 feet to the W	Closed Status Spill (Unk/Other Cause)
53	PATTERSON HOUSES	301 EAST 143RD STREET	2594 feet to the SE	Closed Status Tank Failure
88	PATTERSON HOUSES -NYCHA	301 EAST 143RD STREET	2594 feet to the SE	Closed Status Tank Test Failure
186	PATTERSON HOUSES -NYCHA	301 EAST 143RD STREET	2594 feet to the SE	Closed Status Spill (Unk/Other Cause)
228	PATTERSON HOUSES -NYCHA	301 EAST 143RD STREET	2594 feet to the SE	Closed Status Spill (Misc. Spill Cause)
187	STAINED SOIL FOUND IN EXCAVATION	EAST 138 STREET & EXTERIOR STREET	2595 feet to the SSW	Closed Status Spill (Unk/Other Cause)
229	MAJOR DEEGAN & 138TH ST/B	MAJOR DEEGAN/138TH ST.	2608 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
89	RESIDENTIAL	2300 5TH AVE	2638 feet to the SW	Closed Status Tank Test Failure
188	15 WEST 139 STREET	15 W 139TH ST	2638 feet to the SW	Closed Status Spill (Unk/Other Cause)
3	2568 PARK	2568 PARK AVENUE	2772 feet to the S	NYSDEC Inactive Haz Waste Disposal Site
4	FILM STORAGE WAREHOUSE SITE	203-209 WEST 146TH STREET	3122 feet to the WNW	NYSDEC Inactive Haz Waste Disposal Site
5	RIDER AVENUE GAS STATION	250 EAST 138TH STREET	3320 feet to the S	NYSDEC Inactive Haz Waste Disposal Site
6	FORMER MELROSE AVENUE DRY CLEANER	753 MELROSE AVENUE	3531 feet to the E	NYSDEC Inactive Haz Waste Disposal Site
7	VISTA 1	2401 THIRD AVENUE	4387 feet to the SSW	NYSDEC Inactive Haz Waste Disposal Site
8	BRONXCHESTER URA SITE 1A	BROOK AVENUE AT EAST 156TH STREET	4465 feet to the E	NYSDEC Inactive Haz Waste Disposal Site

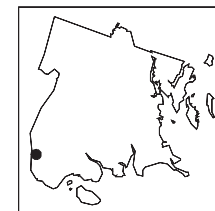
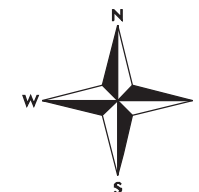


Toxics Targeting 1/2 Mile Radius Map

Excludes Closed Spills

580 Gerard Avenue

Bronx, NY

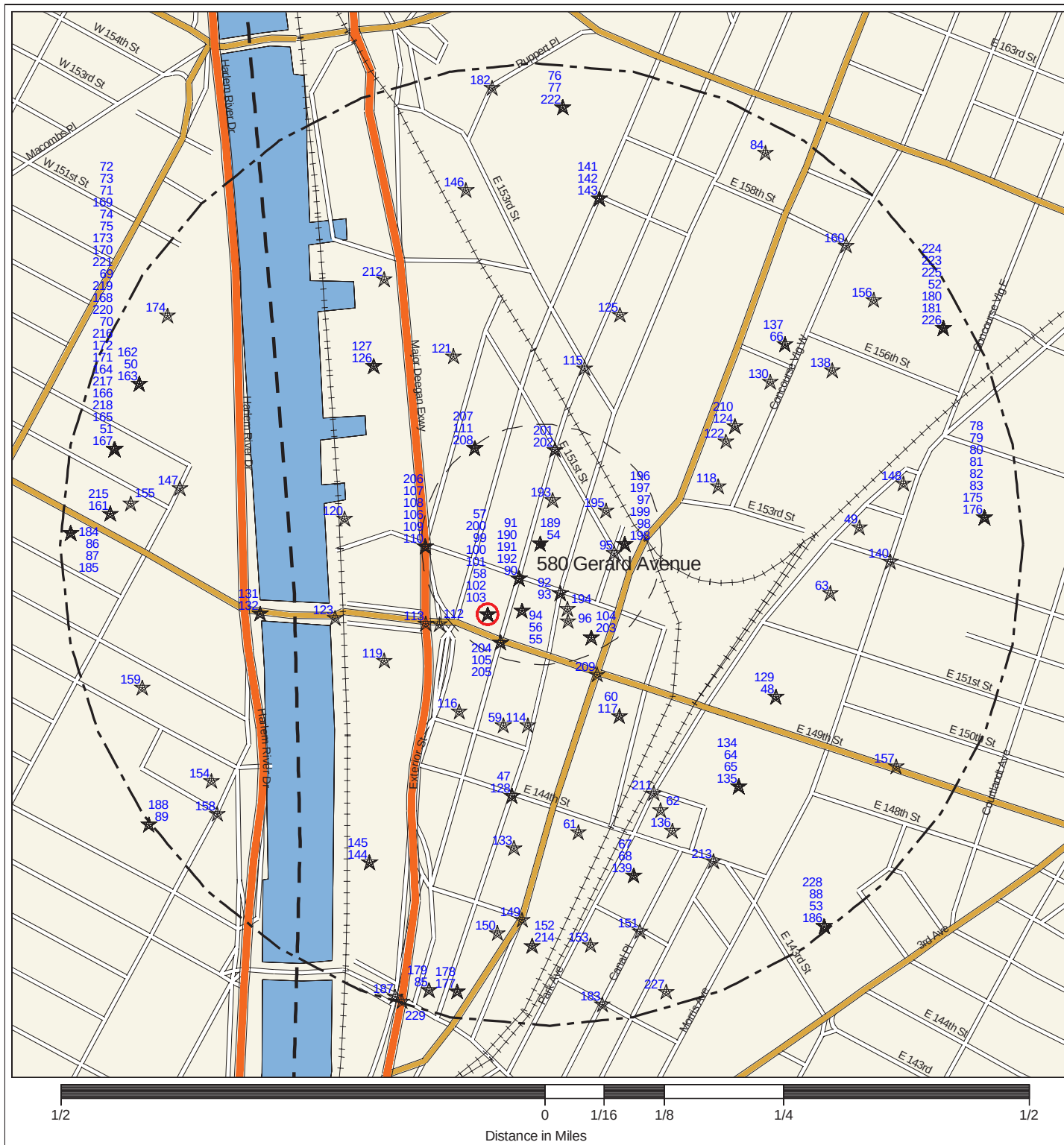


Bronx County

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

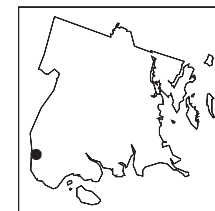
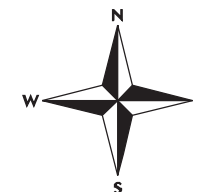
1/2 0 1/16 1/8 1/4 1/2

Distance in Miles



Toxics Targeting 1/2 Mile Radius Map

Closed Spills only
580 Gerard Avenue
Bronx, NY



Bronx County

- ★ Closed Spill
- ★ MTBE Gasoline Additive Spill



County Border

1 Mile Radius

1/4 Mile Radius

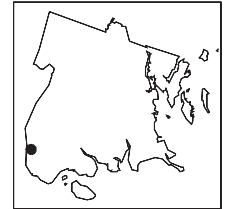
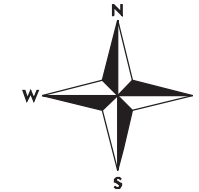


Railroad Tracks

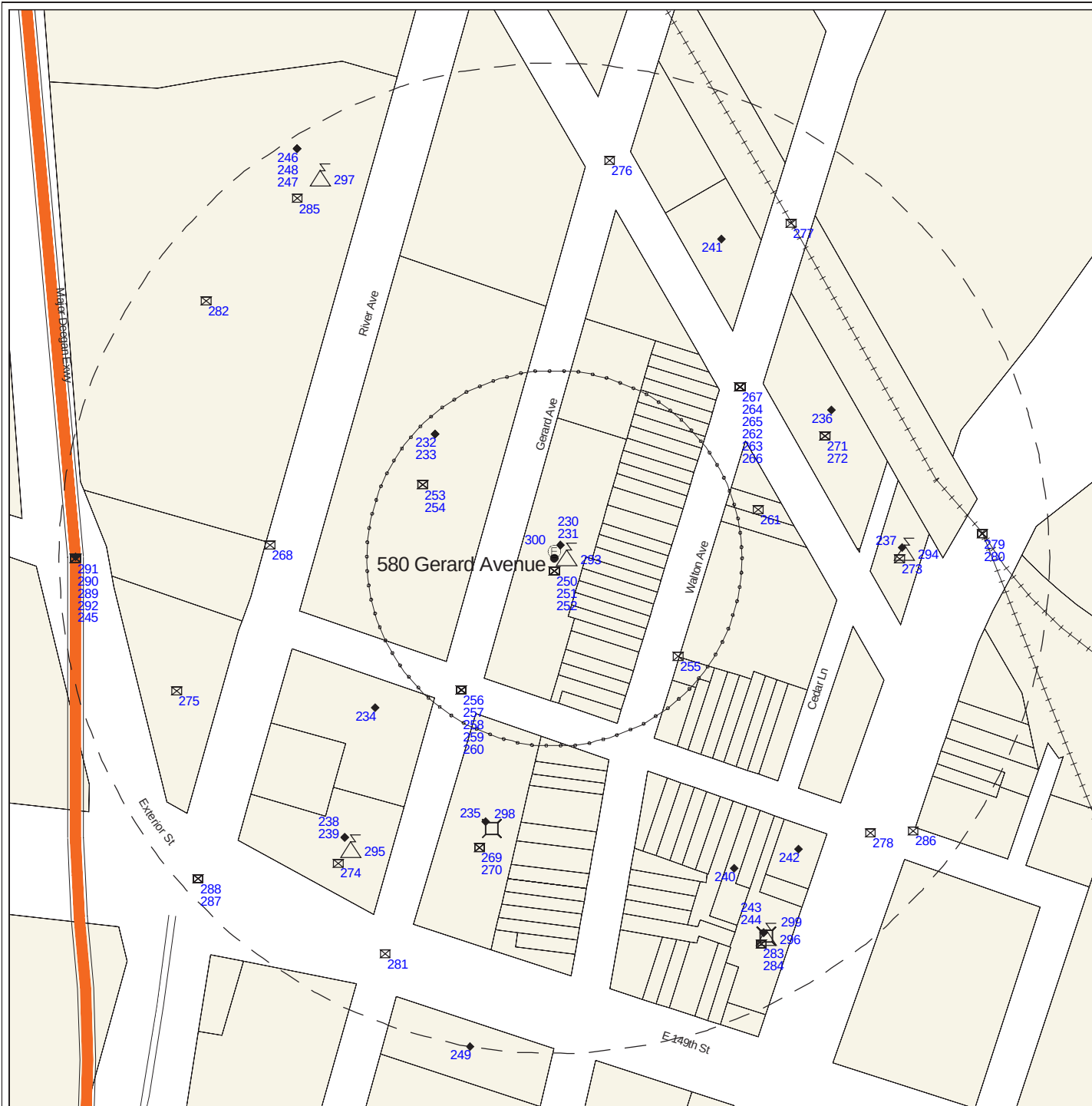
1/2 Mile Radius

1/8 Mile Radius

Toxics Targeting 1/8 Mile Radius Map 580 Gerard Avenue Bronx, NY



Bronx County



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

1/8

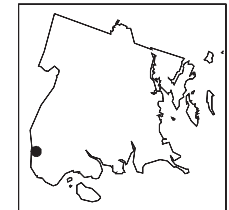
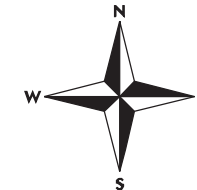
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1/16

1/8

Distance in Miles

Toxics Targeting 1/8 Mile Closeup Map 580 Gerard Avenue Bronx, NY

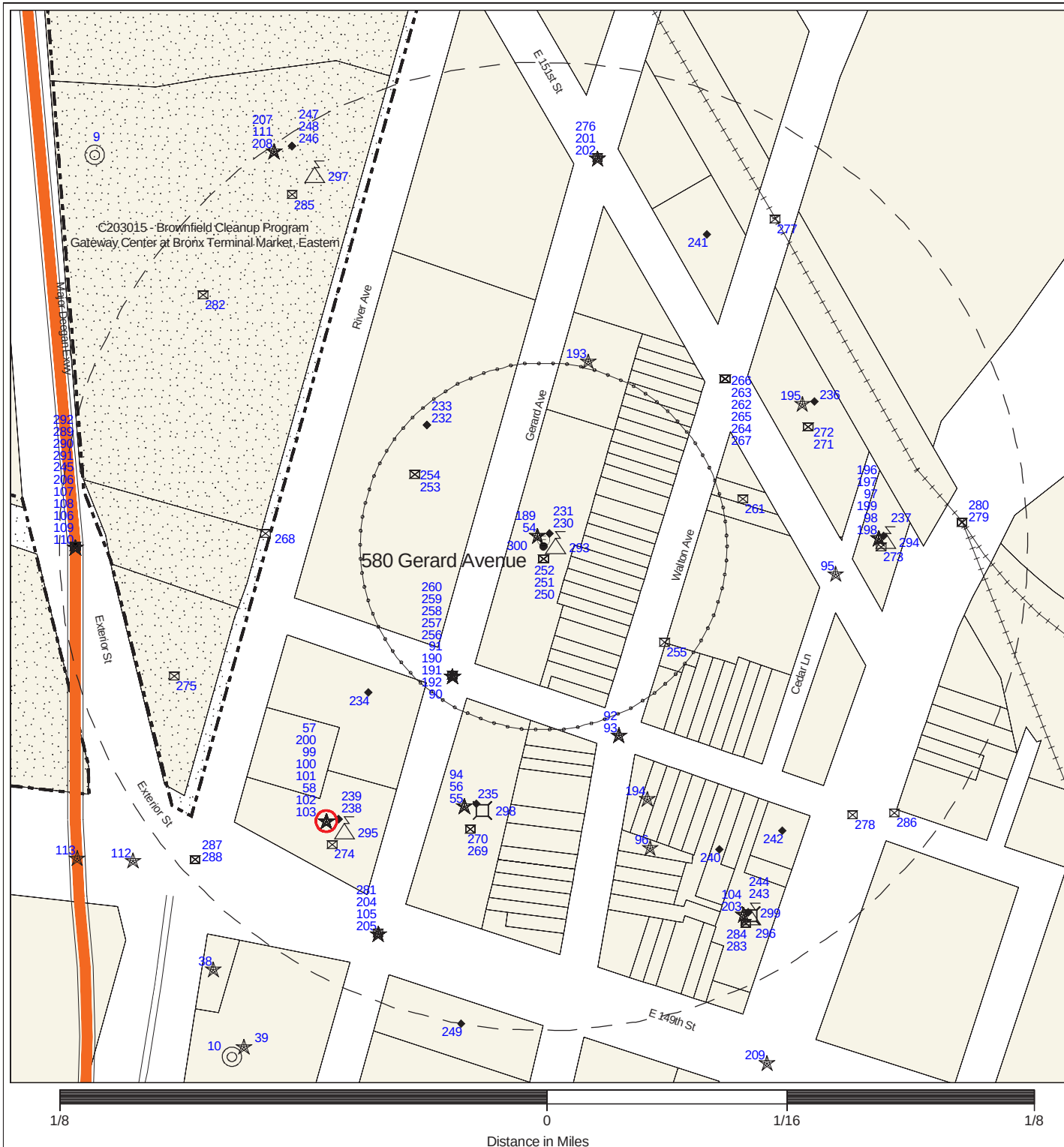


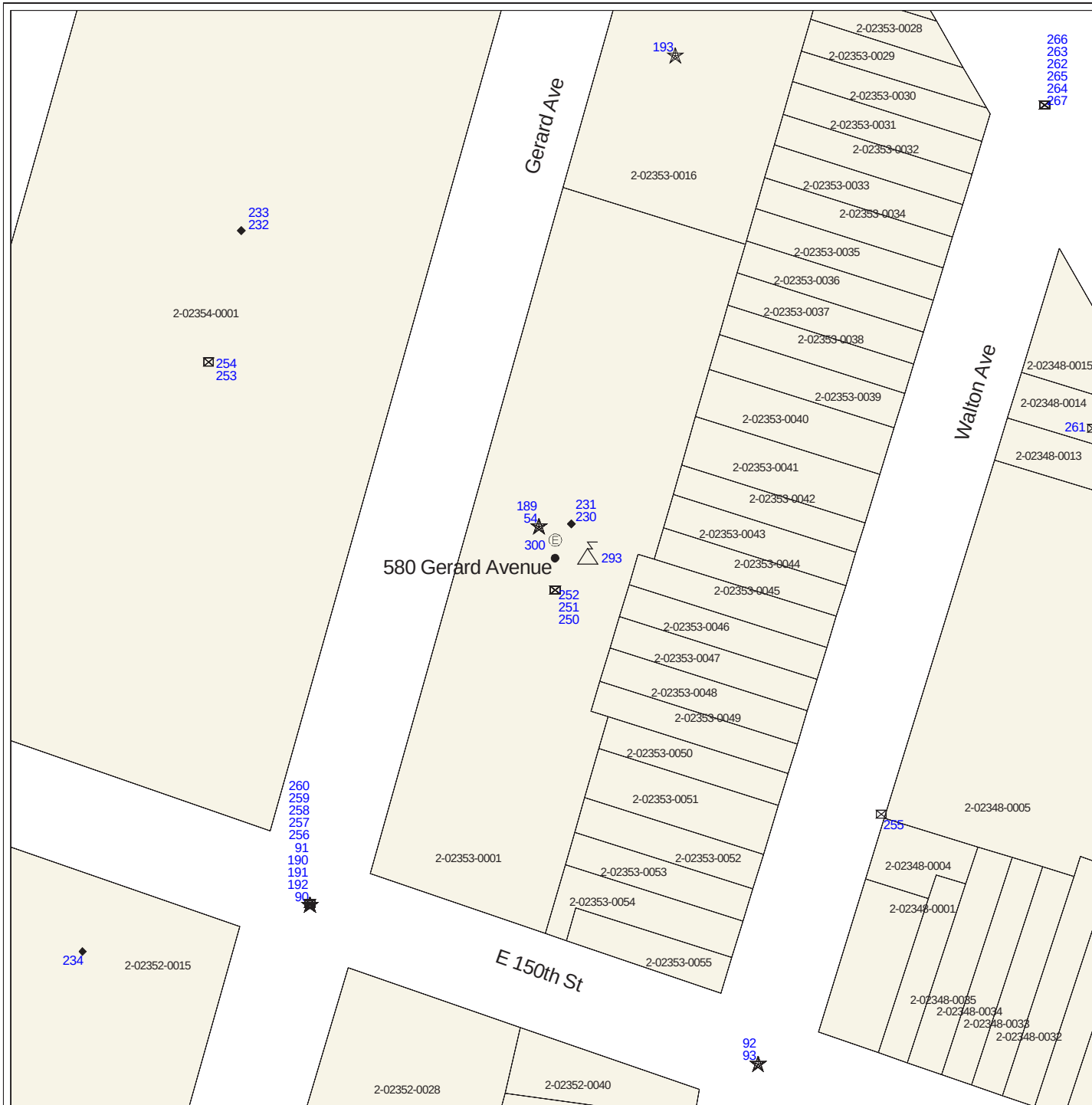
Bronx County

National Priority List (NPL) *	Delisted NPL Site **
CERCLIS Superfund Non-NFRAP Site **	CERCLIS Superfund NFRAP Site **
Inactive Hazardous Waste Disposal Registry Site *	Inact. Haz Waste Disp. Registry Qualifying *
Hazardous Waste Treater, Storer, Disposer **	RCRA Corrective Action Facility *
Hazardous Substance Waste Disposal Site **	Solid Waste Facility **
Major Oil Storage Facility ****	Brownfields Site **
Chemical Storage Facility ****	Hazardous Material Spill **
Toxic Release ****	MTBE Gasoline Additive Spill **
Wastewater Discharge ****	Petroleum Bulk Storage Facility ****
Hazardous Waste Generator, Transp. ****	Historic Utility Site ****
Enforcement Docket Facility ****	Air Release ****
Env Qual Review E Designation *****	Remediation Site Borders
Site Location	Waterbody
County Border	Railroad Tracks
1/8 Mile Radius	250 Foot Radius

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

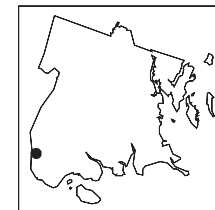
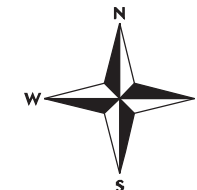
** 1/2 Mile Search Radius
***** Onsite Search (250 Ft)





Toxics Targeting Tax Parcel Map

580 Gerard Avenue
Bronx, NY



Bronx County

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

Tax Parcel Information Table

580 Gerard Avenue
Bronx, NY

Subject Parcel or Parcels

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
2-02353-0001	580 GERARD AVENUE	NRP PROPERTY 2	M1-2	G2	1	1951	689400	31200

Other Parcels Found On The Tax Parcel Map

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
2-02353-0020	640 GERARD AVENUE	JOHN J HORVATH	M1-2 R6	F5	3	1950	92700	10570
2-02353-0028	148 EAST 151 STREET	JOHN J HORVATH	R6	F9	1	1955	161100	1244
2-02352-0028	125 EAST 149 STREET	GERARD REALTY COMPANY	M1-2	G2	1	1931	1321650	28462
2-02353-0043	611 WALTON AVENUE	GARDOSE, RAMON S	R6	B3	1	1901	9852	1530
2-02353-0034	631 WALTON AVENUE	TORRES, RUBEN	R6	C0	1	1901	9254	1541
2-02353-0045	607 WALTON AVENUE	POWELL, CHARLES	R6 M1-2	A9	1	1901	8907	1650
2-02348-0033	143 EAST 150 STREET	PABON JULIO	R6	A9	1	1901	7862	1899
2-02348-0015	150 EAST 151 STREET	626 WALTON AVE LLC	R6	C2	1	2010	325977	1920
2-02348-0029	151 EAST 150 STREET	150TH STREET,	R6	G7	0		25650	2076
2-02353-0039	621 WALTON AVENUE	CASWELL, RONALD DAVID	R6	B3	1	1901	8570	1518
2-02348-0004	600 WALTON AVENUE	BANNI PERSAD	R6	A9	1	1901	9578	1277
2-02353-0032	635 WALTON AVENUE	PEARL DEBORAH	R6	B1	1	1901	9578	1546
2-02348-0001	137 EAST 150 STREET	DERRICK W SMITH	R6	C0	1	1920	8557	2349
2-02348-0032	145 EAST 150 STREET	BEGLEY, NANCY	R6	A9	1	1901	8438	1899
2-02353-0046	605 WALTON AVENUE	GUEVARA, ROBERTO	R6 M1-2	A9	1	1901	8907	1650
2-02353-0053	591 WALTON AVENUE	THOMPSON, AL	R6	C0	1	1901	13962	1630
2-02353-0054	589 WALTON AVENUE	LYNN S SMITH	R6	C0	2	1915	21410	1810
2-02353-0036	627 WALTON AVENUE	GARZON, BEATRIZ	R6	C0	1	1901	5214	1553
2-02352-0015	585 GERARD AVENUE	585 GERARD AVENUE COR	M1-2	F1	1	1913	907650	25000
2-02348-0005	192 EAST 151 STREET	192 EAST 151 ST ASSOC	R6	O1	1	1956	1499400	31000
2-02353-0041	615 WALTON AVENUE	J BELLVE & UX	R6	B3	1	1901	7862	2304
2-02353-0055	587 WALTON AVENUE	COVER, SOPHIA	R6	C0	1	1918	20530	1570
2-02348-0031	147 EAST 150 STREET	ABEL CORREA	R6	A9	1	1901	8086	2063
2-02353-0042	613 WALTON AVENUE	THOMPSON, AL	R6	B2	1	1901	7538	1533
2-02353-0040	617 WALTON AVENUE	BROWN, CYNTHIA	R6	B3	1	1901	8557	2311
2-02353-0016	620 GERARD AVENUE	HAL HALMAN REALTY CO	M1-2	F4	2	1931	225000	12927
2-02348-0013	622 WALTON AVENUE	ZAMBRANA, CLARITZA I	R6	B3	1	1901	12349	2625
2-02353-0033	633 WALTON AVENUE	AYALA, MARIANGELICA	R6	C0	1	1901	12089	1546
2-02353-0037	625 WALTON AVENUE	KIRKWOOD, CHRISTOPHER	R6	C0	1	1901	8907	1550
2-02353-0038	623 WALTON AVENUE	PEREZ, GERMAN	R6	A9	1	1901	8907	1526
2-02353-0035	629 WALTON AVENUE	MAXWELL, ANGELA	R6	B3	1	1901	8907	1535
2-02348-0030	149 EAST 150 STREET	150TH STREET,	R6	G7	1		25650	2063
2-02352-0041	581 WALTON AVENUE	LEON JAIME S	R6	B9	1	1901	8210	1535
2-02348-0014	624 WALTON AVENUE	JOSEPH HINTON	R6	B3	1	1901	12372	1937
2-02353-0044	609 WALTON AVENUE	JOHNSON SECURITY BURE	R6	O9	1	1901	102150	1502
2-02354-0001	580 RIVER AVENUE	GERARD AVENUE LLC	M1-2	E7	1	1952	4966200	98973
2-02352-0040	583 WALTON AVENUE	BHT LIMITED ,LP BY BH	R6	B9	2	1901	8210	2136
2-02348-0035	139 EAST 150 STREET	WARREN GERALD	R6	A9	1	1901	7538	1581

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
2-02353-0030	639 WALTON AVENUE	SPAULDING, DERICK	R6	B3	1	1901	9578	1656
2-02353-0031	637 WALTON AVENUE	GUERRA LUZ	R6	A9	1	1901	9578	1546
2-02353-0047	603 WALTON AVENUE	GRAVES, BARBARA C.	R6 M1-2	C0	1	1901	8907	1650
2-02353-0052	593 WALTON AVENUE	PEDRO J PUJOLS	R6	C0	1	1901	13408	1616
2-02353-0050	597 WALTON AVENUE	DAISY BELLAMY	R6	B1	1	1901	8907	1545
2-02348-0034	141 EAST 150 STREET	CHIDDICK VINCE	R6	A9	1	1901	7862	1891
2-02353-0051	595 WALTON AVENUE	LEVY, CECELIA	R6	C3	1	1915	35827	2250
2-02353-0049	599 WALTON AVENUE	WILSON, RUBY	R6 M1-2	A5	1	1901	9254	1853
2-02353-0029	641 EAST 151 STREET	HERBERT, WENTWORTH	R6	B3	1	1901	8210	1344
2-02353-0048	601 WALTON AVENUE	MOJICA, LUIS	R6 M1-2	B9	1	1901	9254	1650

Section Two: Toxic Site Profiles

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

- The facility name, address, city, state, and zip code.
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see ***How Sites are Located***, at the end of this section for more information).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Inactive Hazardous Waste Disposal Site Classifications:

- 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;
- 2 -- Significant threat to the public health or environment -- action required;
- 3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;
- 4 -- Site properly closed --requires continued management;
- 5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;
- 2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law;
- A -- Work underway and not yet complete;
- P -- Potential Site;
- D₁, 2, 3 -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed);
- C -- Remediation Complete (formerly D2).



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

**INACTIVE HAZ WASTE DISPOSAL REGISTRY OR REGISTRY-QUALIFYING SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS**

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

Map Identification Number 1**MOTT HAVEN MGP PLUME TRACKDOWN**

CONCOURSE VILLAGE WEST AT EAST 156TH STREET

BRONX, NY 10451

Facility Id: 203042

TT-Id: 120A-0007-247

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (1)

Approximate distance from property: 1680 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: W CONCOURSE VILLAGE / E 156TH ST

Revised zip code: NO CHANGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF ENVIRONMENTAL REMEDIATION

INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: N

REGION: 2

SITE CODE: 203042

CLASSIFICATION CODE DESCRIPTION:

DEC ID: 382480

No further action

NAME OF SITE: Mott Haven MGP Plume trackdown

STREET ADDRESS: Concourse Village West at East 156th Street

CITY: Bronx ZIP: 10451

TOWN: New York City

COUNTY: Bronx

ESTIMATED SIZE:

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

None reported

CROSS REFERENCES:

IDENTIFIER

SOURCE

The following cross reference(s) have been deleted from the registry. Data reflects previous information.

0551708

Spill No.

C203030

BCP Site ID

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

None reported

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

The site location is currently described as the intersection of Concourse Village West and East 156th Street, Bronx because no source area has yet been identified. According to historic information and Sanborn maps, the MGP had been a small facility located on a former rail yard, the Former Metro North Property BCP# C203030 that served the rail yard. Groundwater data show elevated concentrations of MGP related contaminants such as naphthalene migrating from off-site toward the Former Metro North Site. It appears that there is an MGP waste disposal area contributing to the groundwater contamination. The objective of the preliminary site assessment (PSA) is to locate the source of the groundwater contamination determine if a remedy is necessary and feasible, if so, is a remedial investigation necessary. The site did not qualify for addition to the Registry of Inactive Hazardous Waste Sites.

CONFIRMED HAZARDOUS WASTE DISPOSED:

None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

None provided

ASSESSMENT OF HEALTH PROBLEMS:

None provided

PROJECT COMPLETIONS:

Operable Unit 01 - Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Site Characterization		10/06/2009	Actual

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:

GROUNDWATER DEPTH:

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-
NATURE OF ACTION:			

Map Identification Number 2 **2350 FIFTH AVE., NEW YORK (AKA, PS 141)**

2340 & 2350 FIFTH AVENUE

NEW YORK, NY 10037

Facility Id: 231004

TT-Id: 120A-0002-049

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2235 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Special Note: This site is one of 421 Inactive Hazardous Waste Disposal Sites that reportedly are being reinvestigated for chlorinated solvents that may pose soil gas vapor intrusion hazards. Prior to 2003, many of these sites were determined to be cleaned up or not to pose hazards.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 04

REGION: 2

SITE CODE: 231004

DEC ID: 57691

CLASSIFICATION CODE DESCRIPTION:

Site is properly closed - requires continued management.

NAME OF SITE: 2350 Fifth Ave., New York (aka, PS 141)

STREET ADDRESS: 2340 & 2350 Fifth Avenue

CITY: New York

ZIP: 10037

TOWN: New York City

COUNTY: New York

ESTIMATED SIZE: 1.543 Acres

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

CONTROL:

Ground Water Use Restriction

Vapor Mitigation

Soil Management Plan

Cover System

Landuse Restriction

Monitoring Plan

Site Management Plan

O&M Plan

IC/EC Plan

Air Sparging/Soil Vapor Extraction

Environmental Easement

IN-PLACE DATE:

12/24/2014

12/24/2014

12/24/2014

12/24/2014

12/24/2014

12/24/2014

12/24/2014

12/24/2014

12/24/2014

12/24/2014

CROSS REFERENCES:

IDENTIFIER

03/30/2001
07/03/1997
07/22/2011
2014000423306
w2-0792-11-04
w2-0792-97-05
w2-0792-98-07

SOURCE

Agreement/Consent Order Date
Agreement/Consent Order Date
Agreement/Consent Order Date
County Recording Identifier
Agreement/Consent Order Number
Agreement/Consent Order Number
Agreement/Consent Order Number

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S) :

NAME: 2350 Fifth Avenue Corporation
Joseph Karten
ADDRESS: 309 East 94th Street
Ground Floor
New York, NY 10128

Owner Type: PRP - Class 2 HazSubs

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S) :

DOCUMENT REPOSITORY(S) :

NAME: NYSDEC Region 2 Office
ADDRESS: 47-40 21st Street
Long Island City, NY 11101

Repository Typ: Other State Agency (State Government)

NAME: New York Public Library
ADDRESS: Countee Cullen Branch
104 West 136 Street
New York, NY 10030

HAZARDOUS WASTE DISPOSAL PERIOD: from 1970 to 1994

SITE DESCRIPTION:

Location: The site is located on the west side of Fifth Avenue between 141st Street and 142nd Street in the borough of Manhattan, City and State of New York.

Site Features: The site is approximately 1.54 acres, and is entirely occupied by a building. The building is comprised of three connected sections: a two-story section along Fifth Avenue, a three-story section in the center, and a one-story section to the west. Surrounding the site are high-rise residential buildings to the west, south, and southeast of the site. The Harlem River Drive is to the east/northeast, and a National Guard Armory occupies the block immediately to the north.

Current Zoning/Use: The site is owned by 2350 Fifth Avenue Corporation. It is zoned for light manufacturing (M1-1). The Harlem River is located approximately 200 to 300 feet east of the site. Following completion of remediation, the site is currently occupied by a self-storage facility and a charter school.

Past Use of the Site: Based on historical Sanborn fire insurance maps, the site and the surrounding area were in the process of being filled in between 1860 and 1893, and as of 1909 it was mostly vacant or occupied by a contractor's yard. The existing building was originally constructed as a Borden Company ice cream factory: the three-story section in 1923; the two-story section in 1932; and the one-story section in 1950. The floor slab in the one-story (western) section included layers of insulating materials for refrigeration. The area surrounding the site was mostly occupied by garages, auto repair shops, and light manufacturing in the 1930s through the 1950s, with the exception of the block directly north of the site, where the Fifth Avenue Armory was constructed between 1921 and 1933. The residential development, which occupies the area to the south and west of the site, was constructed between 1957 and 1959. From 1970 to 1994 the site was occupied by an industrial laundry and dry cleaning operation which utilized tetrachloroethylene (PCE or "perc") as a cleaning solvent. The dry cleaning operation utilized both "first-generation" and "second-generation" dry-cleaning machines. The majority of PCE released was associated with the first generation machine use, which involved more handling of PCE than the later machines. The dry cleaning facility operated as registered hazardous waste handler with U.S. Environmental Protection Agency (EPA), ID number NYD071026173.

Between 1995 and 1996, most of the ground floor of the building, with the exception of the far western portion, was renovated for use as a New York City public school. The central and eastern portions of the building were occupied by P.S. 141 for a period in the fall of 1997, and were later used by a church for services, offices, and classes. The church vacated the building in December 2004. The remainder of the central and western portion of the building was renovated in 2001 for use as a self storage facility, and in 2006 the self storage facility expanded into the former school portion of the building. Currently the site is use for self storage facility and for art studio space.

Site Geology and Hydrogeology: Groundwater in the vicinity of the site is divided into two apparently semi-confined aquifers. The presence of a clay layer acts as an aquitard/aquiclude separating the aquifer into a shallow aquifer above the clay and deeper aquifer below the clay. The groundwater surface in the shallow aquifer is irregular and approximately six to ten feet below grade. Measurements of groundwater elevation indicated varying horizontal flow directions: generally northward towards West 142nd Street and eastward along 142nd Street towards the Harlem River.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
TETRACHLOROETHYLENE (PCE)	UNKNOWN
BENZO (A) PYRENE	UNKNOWN
tetrachloroethene (PCE)	UNKNOWN
CHLORINATED SOLVENTS	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Post-Remediation

Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were tetrachloroethene (PCE) and its breakdown products [trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE),

vinyl chloride (VC)] in soil, groundwater and soil vapor and sub-slab insulation material. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in soil, groundwater, soil vapor and sub-slab insulation material is being managed under the Site Management Plan.

ASSESSMENT OF HEALTH PROBLEMS:

People are not drinking the contaminated groundwater because the area is served by a public water supply that is not contaminated by the site. Direct contact with contaminated soil is unlikely since it is located under pavement and the on-site building. Volatile organic compounds in the groundwater and/or soil may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Site-related contaminants were historically found in the indoor air of the on-site building at concentrations exceeding NYSDOH's air guidelines. To minimize the potential for the inhalation of site-related contaminants, a sub-slab depressurization system was installed beneath the building. Environmental sampling indicates soil vapor intrusion is not a concern for off-site buildings.

PROJECT COMPLETIONS:

Operable Unit 00 - Site Management			
PROJECT	DESCRIPTION	END DATE	STATUS
Certificate of Completion		01/16/2015	Actual
Operable Unit 01 - REMEDIAL PROGRAM			
PROJECT	DESCRIPTION	END DATE	STATUS
Site Characterization		06/01/1998	Actual
Remedial Investigation		03/29/2011	Actual
Remedial Design		09/25/2013	Actual
Remedial Action		01/16/2015	Actual
Operable Unit 01A - IRM-Soil Vapor Extraction			
PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design		02/05/2002	Actual

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-X	Surface Water-	Groundwater-X	Soil-X	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-X	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fill mixed with organic-rich silt.
GROUNDWATER DEPTH: Range: 5 to 10 feet.

LEGAL ACTION:	Type: Consent Order	State-X	Federal-
STATUS:	Negotiation in Progress-	Order Signed-X	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-X	Completed-
NATURE OF ACTION:	IRM-Removal. IRM-SVE system. IRM-Floor sealing.		

Map Identification Number 3 **2568 PARK**
 2568 PARK AVENUE

BRONX, NY 10451

Facility Id: 203050
TT-Id: 120A-0007-262

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (1)

Approximate distance from property: 2772 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: N
CLASSIFICATION CODE DESCRIPTION:
No further action

REGION: 2

SITE CODE: 203050
DEC ID: 437190

NAME OF SITE: 2568 Park
STREET ADDRESS: 2568 Park Avenue
CITY: Bronx

ZIP: 10451

TOWN: New York City
COUNTY: Bronx

ESTIMATED SIZE: 0.255 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
IDENTIFIER

SOURCE

The following cross reference(s) have been deleted from the registry. Data reflects previous information.

203051	HW Site ID
203052	HW Site ID
28	Senate District
84	Assembly District
C303151	Agreement/Consent Order Number

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: South Bronx Overall Economic Development Corporation (SoBRO)
Lourdes Zapata

ADDRESS: 555 Bergen Avenue
Bronx, NY 10455

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

NAME: South Bronx Overall Economic Development Corporation (SoBRO)
Lourdes Zapata
ADDRESS: 555 Bergen Avenue
Bronx, NY 10455

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Part of Port Morris Zone 1 BOA. DEC #BOA00032 DOS #10BOA002 Site Investigation could not be funded under BOA since property owner would not allow access. No environmental data available for this site.

CONFIRMED HAZARDOUS WASTE DISPOSED:

None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

None provided

ASSESSMENT OF HEALTH PROBLEMS:

None provided

PROJECT COMPLETIONS:

None reported

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:

GROUNDWATER DEPTH:

LEGAL ACTION:

Type:

State-

Federal-

STATUS:

Negotiation in Progress-

Order Signed-

REMEDIAL ACTION:

Proposed-

Under Design-

In Progress-

Completed-

NATURE OF ACTION:

Map Identification Number 4**FILM STORAGE WAREHOUSE SITE**

203-209 WEST 146TH STREET

NEW YORK, NY 10039

Facility Id: 231009

TT-Id: 120A-0007-287

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 3122 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: N

REGION: 2

SITE CODE: 231009

CLASSIFICATION CODE DESCRIPTION:

DEC ID: 57156

No further action

NAME OF SITE: Film Storage Warehouse Site

STREET ADDRESS: 203-209 West 146th Street

CITY: New York

ZIP: 10039

TOWN: New York City

COUNTY: New York

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE:

INSTITUTIONAL/ENGINEERING CONTROLS:

None reported

CROSS REFERENCES:

None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

None reported

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

The former Film Storage Warehouse is approximately 0.25 acres and is located at 203-209 West 146th St. in Manhattan. The property is located on the north site of West 146th St. between Adam Clayton Powell Jr. Boulevard and Fredrick Douglass

Boulevard. The site is bounded on the north and west by residential buildings, and on the east by commercial buildings with residences on the upper floors. The former warehouse site has been unoccupied for over 50 years and is currently vacant. A site investigation was funded by EPA as a targeted site assessment. A Site Investigation Report was approved in November 2004. The site did not qualify for addition to the Registry of Inactive Hazardous Waste Disposal sites.

CONFIRMED HAZARDOUS WASTE DISPOSED:

None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Several contaminants were detected in soils including semivolatile compounds, (primarily polyaromatic hydrocarbons) and several metals. Most of the soil contamination appears to be related to historic fill material. The building interior also has debris piles containing asbestos and lead (from insulation and lead paint, respectively). Soil vapor beneath the building contains volatile organic compounds above expected background concentrations.

ASSESSMENT OF HEALTH PROBLEMS:

None provided

PROJECT COMPLETIONS:

Operable Unit 01 - Targeted Site Assessment

PROJECT	DESCRIPTION	END DATE	STATUS
Site Characterization		11/30/2004	Actual

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:

GROUNDWATER DEPTH:

LEGAL ACTION:

STATUS:

REMEDIAL ACTION:

NATURE OF ACTION:

Type:

Negotiation in Progress-

Proposed-

Under Design-

State-

Order Signed-

In Progress-

Federal-

Completed-

Map Identification Number 5**RIDER AVENUE GAS STATION**

250 EAST 138TH STREET

BRONX, NY 10451

Facility Id: 203051

TT-Id: 120A-0007-263

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 3320 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: N

REGION: 2

SITE CODE: 203051

CLASSIFICATION CODE DESCRIPTION:

DEC ID: 437424

No further action

NAME OF SITE: Rider Avenue Gas Station

STREET ADDRESS: 250 East 138th Street

CITY: Bronx

ZIP: 10451

TOWN: New York City

COUNTY: Bronx

ESTIMATED SIZE: 0.258 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

None reported

CROSS REFERENCES:

IDENTIFIER

SOURCE

The following cross reference(s) have been deleted from the registry. Data reflects previous information.

203050

HW Site ID

203052

HW Site ID

SAC C303151

Agreement/Consent Order Number

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: South Bronx Overall Economic Development Corporation (SoBRO)

Lourdes Zapata

ADDRESS: 555 Bergen Avenue

Bronx, NY 10455

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

NAME: South Bronx Overall Economic Development Corporation (SoBRO)
Lourdes Zapata
ADDRESS: 555 Bergen Avenue
Bronx, NY 10455

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Part of Port Morris Zone 1 BOA. DEC #BOA00032 DOS #10BOA002 Site Investigation could not be funded under BOA since there is an ongoing State enforcement action.

CONFIRMED HAZARDOUS WASTE DISPOSED:

None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

None provided

ASSESSMENT OF HEALTH PROBLEMS:

None provided

PROJECT COMPLETIONS:

None reported

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:

GROUNDWATER DEPTH:

LEGAL ACTION:

STATUS:

REMEDIAL ACTION:

NATURE OF ACTION:

Type:

Negotiation in Progress-

Proposed-

Under Design-

State-

Order Signed-

In Progress-

Federal-

Completed-

Map Identification Number 6**FORMER MELROSE AVENUE DRY CLEANER**

753 MELROSE AVENUE

BRONX, NY 10451

Facility Id: 203009

TT-Id: 120A-0007-245

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 3531 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 02

REGION: 2

SITE CODE: 203009

CLASSIFICATION CODE DESCRIPTION:

DEC ID: 57014

Significant threat to the public health or environment - action required.

NAME OF SITE: Former Melrose Avenue Dry Cleaner

STREET ADDRESS: 753 Melrose Avenue

CITY: Bronx

ZIP: 10451

TOWN: New York City

COUNTY: Bronx

ESTIMATED SIZE: 0.066 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

None reported

CROSS REFERENCES:

IDENTIFIER

SOURCE

B00095

ERP Site ID

E203009

ERP Site ID

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: NYC Dept. of Housing Preservation & Development

Owner Type: Local Government

Ms.Vicki Been

ADDRESS: 100 Gold Street

New York, NY 10038

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S) :

DOCUMENT REPOSITORY(S) :

NAME: Bronx Community Board 1
Cedric Loftin
ADDRESS: 3024 Third Avenue
Bronx, NY 10455

Repository Typ: Local Government

NAME: New York Public Library - Melrose Branch
Sadeqwa Atkinson
ADDRESS: 910 Morris Avenue
Bronx, NY 10451

NAME: Nos Quedamos, Inc.
Anthony T. Winn
ADDRESS: 754 Melrose Avenue
Bronx, NY 10451

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location: The site is located in the Melrose section of Bronx County (Borough of The Bronx, New York City). The site is located on the west side of Melrose Avenue between East 156th and East 157th Streets. Site Features: The site is a vacant lot covered with vegetation, and is surrounded with a chain-link fence. The site is bordered to the north by a community garden, to the east by Melrose Avenue, to the south by a 6-story apartment building, and to the west by a school (PS 29). Current Zoning and Land Use: The site is zoned for residential. There are no buildings on the site, and the property is not currently in use. Past Use of the Site: The Department began a Site Characterization in this area during the Fall of 2003 based on results obtained from a petroleum spill investigation at the FDNY Engine 71/Ladder 55 property located at 720 Melrose Avenue, which indicated elevated levels of tetrachloroethene (PCE), trichloroethene (TCE), and cis-1,2-dichloroethene (DCE) in groundwater. Based on the field sampling program (which was conducted in several phases, and was completed in the Spring of 2007), and a review of available historical information, the site was identified as a primary source of the area-wide chlorinated solvent contamination. According to Sanborn fire insurance maps and an interview with a long-time resident, this site was occupied by a dry cleaner during the 1950's. The maps show that the solvent tanks were located in the rear of the building. Since the time of that former facility's operation, the site has been abandoned. Site Geology and Hydrogeology: The site is underlain by a fill unit (5-7' thick), a fine-medium sand unit with some silt (5-25' thick), and bedrock (11-28' below grade). Groundwater is approximately 16-19' below ground surface in the vicinity of the site. In some areas, the groundwater is below the surface of bedrock). Groundwater on-site flows SE towards Melrose Avenue, and then to the south towards the East River (~7,000' south of the site) along a former stream bed.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE

QUANTITY

TETRACHLOROETHYLENE (PCE)
tetrachloroethene (PCE)

UNKNOWN
UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Nature and Extent of Contamination: - Groundwater The primary contaminant of concern at the site is tetrachloroethene (PCE). PCE has been found in shallow groundwater at concentrations up to 6,200 ppb, well above the Part 703.5 class GA standard of 5 ppb. Trichloroethene (up to 500 ppb), and cis-1,2-dichloroethene (up to 3,500 ppb) have also been found in shallow groundwater above their respective Part 703.5 class GA standards (5 ppb each). The plume of PCE-contaminated groundwater has migrated south at least 2 blocks under a residential area. - Soil PCE has been found in on-site soils up to 2.2 ppm, slightly above the soil cleanup objective for unrestricted use (1.3 ppm). - Soil Vapor Concentrations of PCE in soil vapor have been found up to 5,810 ug/m³. Significant Threat: The site poses a significant environmental threat based on the property's past use as a dry cleaner, which contaminated groundwater beneath the site with PCE at levels several orders of magnitude above standards and a significant threat to public health due to the concentrations of PCE detected in groundwater and soil, in conjunction with the proximity of occupied structures.

ASSESSMENT OF HEALTH PROBLEMS:

The site is fenced, however, site access is still possible and persons who enter the site could potentially contact contaminants in the soil by walking on soil, digging or otherwise disturbing the soil. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in the groundwater and/or soil may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Inhalation of site contaminants in indoor air due to soil vapor intrusion does not represent a concern for the site in its current condition because there are no on-site buildings. However, the potential exists for the inhalation of site contaminants due to soil vapor intrusion for any future on-site development and occupancy. In addition, vapor sampling indicates soil vapor intrusion is a concern for off-site buildings.

PROJECT COMPLETIONS:

Operable Unit 01 - Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Site Characterization		07/19/2007	Actual

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:

GROUNDWATER DEPTH:

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-

NATURE OF ACTION:

Map Identification Number 7



VISTA 1

2401 THIRD AVENUE

BRONX, NY 10451

Facility Id: 203052

TT-Id: 120A-0007-710

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 4387 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 2401 3RD AVE

Revised zip code: NO CHANGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: N

REGION: 2

SITE CODE: 203052

DEC ID: 437428

CLASSIFICATION CODE DESCRIPTION:

No further action

NAME OF SITE: Vista 1

STREET ADDRESS: 2401 Third Avenue

CITY: Bronx

ZIP: 10451

TOWN: New York City

COUNTY: Bronx

ESTIMATED SIZE: 1.538 Acres

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

None reported

CROSS REFERENCES:

IDENTIFIER

SOURCE

The following cross reference(s) have been deleted from the registry. Data reflects previous information.

203050

HW Site ID

203051

HW Site ID

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: South Bronx Overall Economic Development Corporation (SoBRO)
Lourdes Zapata
ADDRESS: 555 Bergen Avenue
Bronx, NY 14055

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

NAME: South Bronx Overall Economic Development Corporation (SoBRO)
Lourdes Zapata
ADDRESS: 555 Bergen Avenue
Bronx, NY 14055

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Part of Port Morris Zone 1 BOA. DEC #BOA00032 DOS #10BOA002 Site Investigation could not be funded under BOA since property owner would not allow access. No environmental data available for this site.

CONFIRMED HAZARDOUS WASTE DISPOSED:

None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

None provided

ASSESSMENT OF HEALTH PROBLEMS:

None provided

PROJECT COMPLETIONS:

None reported

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:

GROUNDWATER DEPTH:

LEGAL ACTION:

Type:

State-

Federal-

STATUS:

Negotiation in Progress-

Order Signed-

REMEDIAL ACTION: Proposed- Under Design- In Progress- Completed-
NATURE OF ACTION:

Map Identification Number 8

BRONXCHESTER URA SITE 1A
BROOK AVENUE AT EAST 156TH STREET

BRONX, NY 10455

Facility Id: 203043
TT-Id: 120A-0008-500

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 4465 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: 700 BROOK AVENUE
Revised zip code: NO CHANGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: N
CLASSIFICATION CODE DESCRIPTION:
No further action

REGION: 2

SITE CODE: 203043
DEC ID: 411532

NAME OF SITE: Bronxchester URA Site 1a
STREET ADDRESS: Brook Avenue at East 156th Street
CITY: Bronx ZIP: 10455

TOWN: New York City
COUNTY: Bronx

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE:

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
IDENTIFIER

SOURCE

The following cross reference(s) have been deleted from the registry. Data reflects previous information.
224117 HW Site ID
C203043 BCP Site ID

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

None reported

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

The 1.09 acre site is located at 700 Brook Avenue, at the southeast corner of the intersection of Brook Avenue and East 156th Street. The site is bounded on the east by an inactive railroad right-of-way and to the south by an athletic field. The parcel is designated as Block 2359, part of lot 3. The site was historically occupied by a gas station. A Preliminary Site Assessment was conducted in 2006 which included collection and analysis of soil and groundwater data. Results indicated presence of petroleum contamination. Site was remediated under Brownfield Cleanup Program - see site no. C203043.

CONFIRMED HAZARDOUS WASTE DISPOSED:

None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

None provided

ASSESSMENT OF HEALTH PROBLEMS:

None provided

PROJECT COMPLETIONS:

Operable Unit 01 - Remedial Program

PROJECT

DESCRIPTION

END DATE

STATUS

Site Characterization

08/30/2006 Actual

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:

GROUNDWATER DEPTH:

LEGAL ACTION:

Type:

State-

Federal-

STATUS:

Negotiation in Progress-

Order Signed-

REMEDIAL ACTION:

Proposed-

Under Design-

In Progress-

Completed-

NATURE OF ACTION:



NO RCRA CORRECTIVE ACTION SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS



NO CERCLIS SUPERFUND SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS



BROWNFIELDS SITES (STATE & LOCAL) IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

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

Map Identification Number 9



**GATEWAY CENTER AT BRONX TERMINAL MARKET, EASTERN
EXTERIOR STREET, BRONX, NY 10451**

**Facility Id: C203015
TT-Id: 320A-0001-431**

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE – LARGE SITE
Approximate distance from property: 811 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF ENVIRONMENTAL REMEDIATION BROWNFIELD CLEANUP PROGRAM

CLASSIFICATION CODE: C

REGION: 2

SITE CODE: C203015

DEC ID: 58447

CLASSIFICATION CODE DESCRIPTION:

Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: Gateway Center at Bronx Terminal Market, Eastern

STREET ADDRESS: Exterior Street

CITY: Bronx

ZIP: 10451

TOWN: New York City

COUNTY: Bronx

ESTIMATED SIZE: 16.51 Acres

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

CONTROL:

Ground Water Use Restriction

Vapor Mitigation

Soil Management Plan

Cover System

Landuse Restriction

IN-PLACE DATE:

04/09/2009

04/09/2009

04/09/2009

04/09/2009

04/09/2009

Building Use Restriction	04/09/2009
Monitoring Plan	04/09/2009
Site Management Plan	04/09/2009
O&M Plan	04/09/2009
IC/EC Plan	04/09/2009
Environmental Easement	04/09/2009

CROSS REFERENCES:

IDENTIFIER	SOURCE
-----	-----
2009000123801	County Recording Identifier
W2-1032-04-11	Agreement/Consent Order Number

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S) :

NAME: BTM DEVELOPMENT PARTNERS, LLC
Glenn Goldstein
ADDRESS: 60 Columbus Circle, 19th Floor
New York, NY 10023

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

NAME: BTM DEVELOPMENT PARTNERS, LLC c/o Related Management Edward T. Hilla	Operator Type: Corporate or Commercial
ADDRESS: Gateway Center at Bronx Terminal Market 610 Gateway Center Blvd, Suite 100B Bronx, NY 10451	

APPLICANT REQUESTOR(S) :

NAME: BTM Development Partners LLC
Glenn Goldstein
ADDRESS: 60 Columbus Circle, 19th Floor
New York, NY 10023

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location: The Site is located in the West Haven neighborhood of the Bronx, New York and is identified as Tax Block 2356, Lots 20 and 25, and Tax Block 2357, Lots 35, 40, and 45 on the New York City Tax Map. The Site is roughly bounded by East 149th Street to the south, the Major Deegan Expressway ramp (just south of the Macomb's Dam Bridge) to the north, Exterior Street (with the Major Deegan elevated expressway above) to the west, and River Avenue and the MTA Metro North railroad to the east.

Site Features: The Site is a 16.5-acre parcel that is part of a larger 34-acre industrial and commercial use area known as the Bronx Terminal Market (BTM). Completed development of the Gateway Center at Bronx Terminal Market includes approximately 957,000

gross square feet of retail establishments and 2,600 parking spaces in a multi-level parking garage and at-grade parking.

Current Zoning and Land Use: The Site is zoned for commercial use and is occupied by the Gateway Center at Bronx Terminal Market, a 957,000 square foot retail center with parking. Past Uses: Industrial development of the area began in 1841 with the construction of elevated railroads between Manhattan and the Bronx. In 1851, as part of the installation of the Harlem River Line, a large portion of the present site was filled, creating the current shoreline. Between 1891 and 1897 five slips and piers were constructed along the new shoreline to the west of the Site, and the waterfront block became an industrial area occupied by coal storage yards, and asphalt paving and oil storage companies. The pre-development site structures consisting of the Bronx Terminal Market buildings and the Bronx Men's House of Detention (BHOD) were constructed between the 1920s and the mid 1970s. Previously, the Site had been used for industrial and commercial operations including rail yards; toy, photographic mounts and refrigerator manufacturing; a lumber yard; a saw mill; a New York Police Department (NYPD) motorcycle storage and/or maintenance facility; and a New York City Department of Sanitation (NYCDS) facility. Current property use adjacent to and north, east and south of to the Site, includes gasoline stations, garages, and maintenance facilities with underground gasoline and oil tanks, and a Con Edison auto and machine repair garage.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
-----	-----
LEAD	UNKNOWN
MERCURY	UNKNOWN
NAPHTHALENE	UNKNOWN
PHENOL	UNKNOWN
TETRACHLOROETHYLENE (PCE)	UNKNOWN
COPPER	UNKNOWN
ZINC	UNKNOWN
ARSENIC	UNKNOWN
METHANE	UNKNOWN
BENZO(A) PYRENE	UNKNOWN
tetrachloroethene (PCE)	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Nature and Extent of Contamination: Prior to remediation, on-Site soil was contaminated with petroleum-related contaminants and historic fill containing elevated concentrations of metals (primarily lead, mercury and arsenic) and semi-volatile organic compounds (SVOCs) including polycyclic aromatic hydrocarbons (PAHs). Groundwater was minimally contaminated with volatile organic compounds (VOCs), SVOCs, and metals in groundwater. Limited quantities of elevated methane and VOCs were present in soil gas. Based on the results of post-remediation sub-slab soil vapor sampling, NYSDEC and NYSDOH concurred that the sub-slab depressurization systems (SSDS) will operate passively.

Remaining contamination in soil and groundwater is being managed under a Site Management Plan.

ASSESSMENT OF HEALTH PROBLEMS:

Coming in contact with residual on-site contaminated soil is not likely since the site is covered with building foundations or pavement. Exposure to groundwater contamination is not expected since the area is served by public water. Inhalation via soil vapor intrusion has been minimized through the installation of vapor mitigation technologies (sub-slab depressurization systems, vapor barriers and positive pressurization) in on-site buildings.

PROJECT COMPLETIONS:

Operable Unit 00 - Site Management

PROJECT	DESCRIPTION	END DATE	STATUS
Certificate of Completion		05/19/2009	Actual

Operable Unit 01 - Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design		05/11/2006	Actual
Remedial Investigation		05/11/2006	Actual
Remedial Action	Gateway Center at Bronx Terminal Market - Eastern	05/19/2009	Actual

Map Identification Number 10



110 EAST 149TH STREET

110 EAST 149TH STREET, BRONX, NY

Facility Id: 15CVCP114X

TT-Id: 330A-0000-045

VCP Project Id: 15CVCP114X

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 814 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street:

Revised zip code:

Brownfield Program: NYC Voluntary Cleanup Program

Class: Active (A)

Parcel(s): Block 2351 Lot(s) 25

[Click here for detailed site information.](#) Copy and paste 15CVCP114X in the search box, click the green search button, then click the Project ID # to see downloadable site documents.

Map Identification Number 11



BRONX POINT

65 EAST 149TH STREET, BRONX, NY 10451

Facility Id: C203117

TT-Id: 320A-0005-180

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (1)

Approximate distance from property: 851 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

CLASSIFICATION CODE: A
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

REGION: 2

SITE CODE: C203117
DEC ID: 577942

NAME OF SITE: Bronx Point
STREET ADDRESS: 65 East 149th Street
CITY: Bronx ZIP: 10451

TOWN: New York City
COUNTY: Bronx

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 4.5 Acres

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: New York City Economic Development Corporation
Rory Melvin
ADDRESS: 110 William Street
New York, NY 10038

Owner Type: Local Government

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

NAME: New York City Economic Development Corporation
Rory Melvin
ADDRESS: 110 William Street
New York, NY 10038

Operator Type: Local Government

APPLICANT REQUESTOR(S):

NAME: Bronx Point Owner LLC
Josue Sanchez
ADDRESS: 419 Park Avenue South, 18th Floor
New York, NY 10016

DOCUMENT REPOSITORY(S):

NAME: New York Public Library - Mott Haven
ADDRESS: NYPL Mott Haven Library
321 East 140th Street
Bronx, NY 10454

NAME: Bronx Community Board
Kathleen Saunders
ADDRESS: 1650 Selwyn Avenue, Suite 11A
Bronx, NY 10457

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location: The site, referred to as Bronx Point, is located at 65 East 149th Street in the West Concourse neighborhood of the Bronx, New York. The site is bound by Mill Pond Park to the north; Major Deegan Expressway/Exterior Street followed by the Bronx Terminal Market to the east; East 149th Street/145th Street Bridge followed by a New York Recycling facility to the south; and a railroad right-of-way followed by the Harlem River to the west. According to the United States Geology Survey (USGS) 7.5-Minute Quadrangle Map, the site elevation is about 3 feet above mean sea level (msl).

Site Features: The site is currently comprised of vacant, asphalt-paved lots with one remnant steel loading structure on the western portion of the site.

Current Zoning and Land Use: The site is currently located in a R7-2/C2-5 mixed-use district. The site is located within the Special Harlem River Waterfront District. The adjoining parcels are used for commercial and light industrial purposes, with the surrounding area generally consisting of residential, commercial, light industrial, and institutional (schools and churches) use.

Site Geology and Hydrogeology: The general stratigraphy of the site, from the surface down, consisted of about 19 feet of historic fill, followed by alternating layers of clay, silt, sand and bedrock. The historic fill layer consisted of black/brown/gray sand with varying amounts of gravel, silt, concrete, brick, and shell fragments. Bedrock was encountered at about 67 feet bgs in the central and southeastern portion of the site and at about 78 feet bgs in the southwestern portion of the site. Groundwater, presumably flows west towards the Harlem River, was encountered at about 3 feet bgs in the southwest portion of the site and at about 6 feet bgs in the eastern portion of the site during previous investigations.

CONFIRMED HAZARDOUS WASTE DISPOSED:

None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Known or suspected sources of contamination include: (1) petroleum impacted soil in the western portion of the site; (2) at least 8-19 feet of historic fill exceeding the Title 6 NYCRR part 375-6.8(a,b) UUSCOs and RRUSCOs for PAHs and metals lead, barium and mercury; and (3) groundwater exceeding the 6NYCRR part 703.5 Water Quality Standards for Class GA water for PAHs and metals lead, manganese, and those associated with salt water intrusion.

ASSESSMENT OF HEALTH PROBLEMS:

Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

PROJECT COMPLETIONS:

None reported

Map Identification Number 12 **477 GERARD AVENUE**
 477 GERARD AVENUE, BRONX, NY 10451

Facility Id: C203071
TT-Id: 320A-0004-165

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1021 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

CLASSIFICATION CODE: A
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

REGION: 2

SITE CODE: C203071
DEC ID: 493435

NAME OF SITE: 477 Gerard Avenue
STREET ADDRESS: 477 Gerard Avenue
CITY: Bronx ZIP: 10451

TOWN: New York City
COUNTY: Bronx

ESTIMATED SIZE: 0.2 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
IDENTIFIER

SOURCE

1400009

Spill No.

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):

NAME: New Jai Ganesh Realty LLC
Harshad Patel
ADDRESS: 81-43 262nd Street
Floral Park, NY 11004

Owner Type: Innocent Owner NonRegistry-HazSubs

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

NAME: New Jai Ganesh Realty LLC
Harshad Patel
ADDRESS: 81-43 262nd Street
Floral Park, NY 11004

DOCUMENT REPOSITORY(S):

NAME: New York Public Library - Mott Haven Library
Ms. Jeanine Thomas-Cross
ADDRESS: 321 East 140th Street at Alexander Avenue
Bronx, NY 10454

NAME: Bronx Community Board One
Cedric L. Loftin
ADDRESS: 3024 Third Avenue
Bronx, NY 10455

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location: The site is located at 477 Gerard Avenue, Bronx, NY on the northwest corner of the intersection of East 146th Street and Gerard Avenue. The site is bounded by the streets above to the east and south, a newly constructed hotel to the west, and a residential building to the north. The site is approximately 0.20 acres in size.

Site Features: The site is currently vacant, cleared, and surrounded by a fence. Current Zoning and Land Use: The site is currently vacant and zoned M1-4/R8A as a special mixed-use district meant to enhance the vitality of existing neighborhoods with mixed residential and industrial uses.

Past Use of the Site: The site was developed with commercial and industrial uses since at least 1908. Specific past uses include a lumberyard, a sign frame company, auto junkyard, and auto repair facility. Underground storage tanks (USTs) have been reported at the site on historical Sanborn maps, but none were found during the most recent investigation. Geology and Hydrogeology: The subsurface consists of a 15 to 16-foot deep historic fill layer. Beneath the fill layer, the site consists of unconsolidated sand and gravel layers to the depth of bedrock, which is approximately 300 feet below ground surface (bgs). Regional groundwater flows to the southwest towards the Harlem River. Depth to groundwater ranges from 14.5 to 19.5 feet below ground surface (bgs).

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE

QUANTITY

BENZO (B) FLUORANTHENE
BARIUM
POLYCHLORINATED BIPHENYLS (PCB)

UNKNOWN
UNKNOWN
UNKNOWN

SODIUM	UNKNOWN
ARSENIC	UNKNOWN
LEAD	UNKNOWN
MANGANESE	UNKNOWN
BENZ (A) ANTHRACENE	UNKNOWN
CADMIUM	UNKNOWN
BENZO (A) PYRENE	UNKNOWN
DIBENZ [A, H] ANTHRACENE	UNKNOWN
trichloroethene (TCE)	UNKNOWN
1,2,4-trimethylbenzene	UNKNOWN
cymene	UNKNOWN
IRON	UNKNOWN
COPPER	UNKNOWN
MAGNESIUM	UNKNOWN
CHROMIUM	UNKNOWN
BENZO (A) ANTHRACENE	UNKNOWN
nickel	UNKNOWN
mercury	UNKNOWN
1,1,1-trichloroethane	UNKNOWN
tetrachloroethene (PCE)	UNKNOWN
indeno (1,2,3-CD) pyrene	UNKNOWN
zinc	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Soil and groundwater has been analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, poly-chlorinated biphenyls (PCBs), and metals. Soil vapor has been analyzed for VOCs. Soil: The primary contaminants found in site soils are polycyclic aromatic hydrocarbons (PAHs) and metals typically found in historic fill, which is generally present in the top 15-16 feet of the site, and PCBs. PAHs were detected in soils up to 16 feet below ground surface (bgs) during the RI, including but not limited to, benzo(a)anthracene at 1.8 parts per million (ppm) (UUSCO is 1 ppm) and benzo(b)fluoranthene at 2.2 ppm (UUSCO is 1.0 ppm). Metals were found at depths up to 20 feet bgs, with the highest concentrations residing within the upper 10 feet, including arsenic at concentrations up to 90 ppm (UUSCO is 13 ppm), barium up to 560 ppm (UUSCO is 350 ppm), cadmium up to 22 ppm (UUSCO is 2.5 ppm), copper up to 800 ppm (UUSCO is 50 ppm), lead up to 17,000 ppm (UUSCO is 63 ppm), mercury up to 1.4 ppm (UUSCO is 0.18 ppm), nickel up to 82 ppm (UUSCO is 30 ppm), and zinc up to 970 ppm (UUSCO is 109 ppm). During the Phase II investigation PCBs were found in a few locations up to 15.35 ppm. During the RI, PCBs were detected at two locations up to 0.523 ppm (UUSCO is 0.1 ppm). Like the PAHs and metals, PCBs appear to be coincident with the historic fill. Limited petroleum-related VOCs were detected marginally above UUSCOs during the Phase II investigation, but were not detected during the RI. Site-related soil contamination is not expected to be present off-site, but historic fill may be present off-site. Groundwater: The only VOCs detected in groundwater were p-isopropyltoluene at 25 parts per billion (ppb) (standard is 5 ppb), and 1,2,4-trimethylbenzene at 18 ppb (standard is 5 ppb). The contaminants found in groundwater may be from site-related activities or an off-site source, but are typical of background conditions in NYC. Two SVOCs were detected above standards, criteria or guidance values (SCGs) as follows: benzo(a)anthracene at concentrations up to 0.04 ppb (guidance value is 0.002 ppb) and one detection of benzo(a)pyrene at 0.07 ppb (standard is non-detect). No PCBs, pesticides or metals of concern were detected in groundwater over SCGs. It's unclear whether contaminated groundwater extends off-site; however, since the concentrations are low and typical of NYC background concentrations, no off-site investigation is warranted.

Soil Vapor: Several VOCs were detected in soil vapor. However, the only chlorinated VOCs detected were tetrachloroethene (PCE) at 162 micrograms per cubic meter (ug/m^3), 1,1,1-trichloroethane at $12.6 \text{ ug}/\text{m}^3$, and trichloroethene (TCE) at $1.28 \text{ ug}/\text{m}^3$. Data do not indicate off-site soil vapor intrusion is a concern for off-site buildings.

ASSESSMENT OF HEALTH PROBLEMS:

People may contact contaminants in soil or groundwater if they dig below the surface or contact contaminated groundwater. People are not drinking the contaminated groundwater because the area is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in the soil vapor (air spaces within the soil) may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The site is currently vacant. The potential exists for the inhalation of site contaminants due to soil vapor intrusion for future on-site buildings. Sampling indicates soil vapor intrusion is not a concern for off-site buildings.

PROJECT COMPLETIONS:

Operable Unit 00 - Site Management			
PROJECT	DESCRIPTION	END DATE	STATUS
Certificate of Completion		12/16/2019	Actual
Operable Unit 01 - Remedial Program			
PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Investigation		04/17/2018	Actual
Remedial Design		04/17/2018	Actual
Remedial Action		12/16/2019	Actual
Operable Unit 01A - IRM - Soil Removal			
PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design	IRM - Soil Removal	04/07/2015	Actual

Map Identification Number 13



CONCOURSE VILLAGE WEST APARTMENTS - SOUTH

741 CONCOURSE VILLAGE AND 702 GRAND CONCOURSE, BRONX, NY 10451

Facility Id: C203092

TT-Id: 320A-0004-917

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1154 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

CLASSIFICATION CODE: C REGION: 2 SITE CODE: C203092
CLASSIFICATION CODE DESCRIPTION: DEC ID: 548244

Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: Concourse Village West Apartments - South
STREET ADDRESS: 741 Concourse Village and 702 Grand Concourse
CITY: Bronx ZIP: 10451

TOWN: New York City
COUNTY: Bronx

ESTIMATED SIZE: 0.473 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

CONTROL:	IN-PLACE DATE:
Ground Water Use Restriction	10/22/2019
Site Management Plan	10/22/2019
IC/EC Plan	10/22/2019
Environmental Easement	10/22/2019

CROSS REFERENCES:

IDENTIFIER	SOURCE
-----	-----
1802478	Spill No.
2019000343628	County Recording Identifier
C203092-09-17	Agreement/Consent Order Number

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: HP CONCOURSE VILLAGE WEST HOUSING DVLPMPT FUND COMPANY, INC. Owner Type: Corporate or Commercial
Daniel Marks Cohen
ADDRESS: 253 west 35th Street
3rd floor
new york, NY 10001

NAME: Concourse Village Owner West Owner LLC
Guido Subotovsky
ADDRESS: 40 Fulton Street
12th floor
new york, NY 10038

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S) :

NAME: Concourse Village West Owner LLC
Guido Subotovsky
ADDRESS: 40 Fulton Street, 12th Floor
New York, NY 10038

DOCUMENT REPOSITORY(S) :

NAME: Bronx Community Board 4
Kathleen Saunders
ADDRESS: 1650 Selwyn Avenue
Suite 11A
Bronx, NY 10457

Repository Typ: Local Government

NAME: Melrose Library
ADDRESS: 910 Morris Avenue
Bronx, NY 10451

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location: The site is located at 741 Concourse Village West (Block 2458, Lot 49) and 702 Grand Concourse (Block 2458, Lot 13), in a commercial and residential area of the Bronx.

Site Features: Lot 49 is approximately 13,945 square-feet in area. This Lot is being developed into a 14-story residential building. Lot 13 is approximately 6,890 square-feet in area and is being developed into an 11-story mixed commercial-residential building.

Current Zoning and Land Use: The current zoning designation for Lot 13 is R8/C8-3 (residential/commercial and industrial) and the zoning for Lot 49 is C8-3 (commercial and industrial). Both lots are currently excavated to at least 15 feet below ground surface with the building undergoing construction. Surrounding property usage is primarily commercial and residential. To the north of the site is a school, a church and residential apartment buildings. The property to the east is a KIPP Academy Elementary School; adjoining to the south is Bronx Live Poultry Corporation; and across Grand Concourse to the west is Franz Sigel Park, a New York City municipal park.

Past Uses of the Site: From 1935 to 2005, uses of Lot 13 included a gasoline filling station, auto repair garages, the U-Haul Corporation, Meineke Discount Mufflers and Car Care Center, A.G. Concourse Auto Service and Reliable Parking Service, Inc. Sanborn maps from the 1930s and 1940s show four 550-gallon buried gasoline tanks on the eastern portion of the site. These tanks may still exist on-site. There was formerly a waste/used oil tank registered at the site. Spill Number 0607307 was assigned to the site in 2006 for a spill of an unspecified quantity of petroleum. The spill incident was closed in November, 2006. Lot 49 has been used as an automobile parking lot since the 1950s. Prior to the 1950s, the site was an undeveloped lot.

Site Geology and Hydrogeology: Prior to remediation, subsurface conditions consisted of historic fill soils, underlain by glacial outwash sand deposits; varved glacial lake deposits consisting predominately of silt and low plasticity clay; and bedrock. The fill typically consisted of sand with varying amounts of ash, cinders and glass. Silts, clays and underlying clays

consisted of predominantly fine grained varved glacial lake deposits below the fill layer. Based upon regional topographic and geologic maps, bedrock is estimated be approximately 80 ft. below ground surface (bgs). No evidence of perched water was observed. Saturated soil indicative of the regional groundwater table was observed at approximately 30-32 ft. bgs. Based upon regional topography groundwater is anticipated to flow in a south/southeasterly direction. The Harlem River is located approximately 0.4-miles west of the site.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
-----	-----
ethylbenzene	UNKNOWN
selenium	UNKNOWN
trichloroethene (TCE)	UNKNOWN
indeno(1,2,3-CD)pyrene	UNKNOWN
tetrachloroethene (PCE)	UNKNOWN
benzo(a)anthracene	UNKNOWN
mercury	UNKNOWN
naphthalene	UNKNOWN
benzo(b)fluoranthene	UNKNOWN
lead	UNKNOWN
benzo(a)pyrene	UNKNOWN
1,2,4-trimethylbenzene	UNKNOWN
dibenz[a,h]anthracene	UNKNOWN
barium	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were cadmium and metals and polycyclic aromatic hydrocarbons in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Remaining contamination in the soil is being managed under a Site Management Plan.

ASSESSMENT OF HEALTH PROBLEMS:

Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site.

PROJECT COMPLETIONS:

Operable Unit 00 - Site Management

PROJECT	DESCRIPTION	END DATE	STATUS
Certificate of Completion		12/23/2019	Actual

Operable Unit 01 - Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design		02/11/2019	Actual
Remedial Investigation		02/11/2019	Actual
Remedial Action		12/23/2019	Actual

Map Identification Number 14**GERARD AVENUE AND EAST 146TH STREET SITE**

417 AND 445 GERARD AVENUE, 440 MAJ WM DEEGAN BLVD, BRONX, NY 10451

Facility Id: C203111

TT-Id: 320A-0004-985

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (1)

Approximate distance from property: 1184 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 417 & 445 GERARD AVENUE & 440 MAJOR WM DEEGAN BLVD

Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

CLASSIFICATION CODE: A

REGION: 2

SITE CODE: C203111

DEC ID: 567611

CLASSIFICATION CODE DESCRIPTION:

Work is underway and not yet complete.

NAME OF SITE: Gerard Avenue and East 146th Street Site

STREET ADDRESS: 417 and 445 Gerard Avenue, 440 Maj Wm Deegan Blvd

CITY: Bronx ZIP: 10451

TOWN: New York City

COUNTY: Bronx

ESTIMATED SIZE: 0.72 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

None reported

CROSS REFERENCES:

IDENTIFIER

SOURCE

1705596-----
Spill No.

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: 440 Exterior Street Holdings LLC
Azriel Mandel c/o Treetop Development

Owner Type: Corporate or Commercial

ADDRESS: 500 Frank W. Burr Blvd, #47
Teaneck, NJ 07666

NAME: 445 Gerard Avenue Holdings LLC
Azriel Mandel c/o Treetop Development
ADDRESS: 500 Frank W. Burr Blvd, #47
Teaneck, NJ 07666

Owner Type: Corporate or Commercial

NAME: 417 Gerard Avenue Holdings LLC
Azriel Mandel c/o Treetop Development
ADDRESS: 500 Frank W. Burr Blvd, #47
Teaneck, NJ 07666

Owner Type: Corporate or Commercial

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S) :

NAME: 445 Gerard LLC
Chris Papamichael
ADDRESS: c/o The Domain Companies
11 Park Place, Suite 1705
New York, NY 10007

NAME: 417 Gerard Avenue Holdings LLC
Azriel Mandel
ADDRESS: 500 Frank W. Burr Boulevard #47
Teaneck, NJ 07666

DOCUMENT REPOSITORY(S) :

NAME: Mott Haven Library
ADDRESS: 321 East 140th Street
Bronx, NY 10454

NAME: Bronx Community Board 1
ADDRESS: 3024 Third Avenue
Bronx, NY 10455

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location: The site is located at located at 417 and 445 Gerard Avenue and 440 Major Wm Deegan Boulevard in an urban area in the Mott Haven neighborhood of the Bronx. Three tax lots within Block 2351 make up the site: Lot 3, Lot 12 and Lot 20. The site is bound by East 146th Street to the north, Gerard Avenue to the east, a one-story warehouse and East 144th Street to the south, and Exterior Street to the west.

Site Features: The site encompasses an area of about 31,400 square feet (0.72 acres) and includes a one-story warehouse and parking lot operated by an advertising company (Lot 3); a vacant one-story warehouse (Lot 12); and a vacant one-story warehouse

with a partial cellar (Lot 20).

Current Zoning and Land Use: The site is located within the Lower Concourse Special Mixed Use Paired District (M1-4/R8A) which allows for residential, commercial, industrial, and cultural uses. Currently one active warehouse and other inactive warehouses inhabit the site. The surrounding area is primarily commercial and industrial, but also includes residential buildings, public parks, day care centers, and schools. The Harlem River is located about 450 feet west of the site. As part of the June 2009 Lower Concourse Rezoning, the site was E-Designated for hazardous materials, air quality, and noise.

Past Use of the Site: Commercial and industrial facilities have occupied the site since the early 1900s. Lot 3 was occupied by a parking garage (1935 to 1977); Lot 12 was occupied by a taxi dispatch center (1930s to 1960s), an auto repair shop (1960s to 1980s), and an unspecified manufacturer (1990s to 2012); and Lot 20 was occupied by a public garage (1935-1951), a fire door manufacturer (1970s), a Con Edison garage (1977 to 1993), and a mirror fabrication facility (1993 to 2015).

Site Geology and Hydrogeology: The site is underlain by fill material predominantly consisting of brown, fine- to coarse-grained sand with varying amounts of silt, gravel, concrete, brick, glass, ash, coal, slag, and debris. The fill was observed from surface grade to depths varying between about 10 and 20 feet below grade surface (bgs). Decomposed bedrock was encountered from about 63 to 104 feet bgs with the depth increasing from east to west across the site. Groundwater was observed from about 15 to 20 feet bgs across the site. The inferred regional groundwater flow direction for the area surrounding the site is to the west toward the Harlem River.

CONFIRMED HAZARDOUS WASTE DISPOSED:

None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Existing data includes 17 soil borings, 6 groundwater samples, and 5 soil vapor samples. Soil and groundwater were analyzed for volatile organic compounds (VOCs), semi volatile organic compounds (SVOCs), pesticides, poly chlorinated biphenyls (PCBs), and metals. Soil vapor has been analyzed for petroleum-related VOCs and chlorinated VOCs.

Soil: VOCs, SVOCs, and metals were detected at concentrations above the restricted residential use soil cleanup objectives (SCOs) in soil samples collected from across the site footprint. One pesticide was detected at a concentration above the unrestricted use SCO in one soil sample collected from the southwestern corner of Lot 3. PCBs were not detected above the unrestricted use SCOs. Evidence of petroleum impacts (e.g., staining, odors, and photoionization detector [PID] readings up to 3,300 parts per million [ppm]) were observed in samples collected from borings advanced on each of the three lots.

Groundwater: Petroleum-related VOCs, SVOCs, and metals were found at concentrations above the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA groundwater. PCBs were not detected above the NYSDEC TOGS SGVs and pesticides were not analyzed.

Soil Vapor: Petroleum-related VOCs and chlorinated VOCs were found in sub-slab vapor and soil vapor samples. Indoor and ambient air samples were not collected.

Site contamination will be further characterized during the Remedial Investigation.

ASSESSMENT OF HEALTH PROBLEMS:

Information submitted with the BCP application regarding the conditions at the site are currently under review and will be

revised as additional information becomes available.

PROJECT COMPLETIONS:

None reported

Map Identification Number 15



GERARD AVENUE AND EAST 146TH STREET SITE

417 AND 445 GERARD AVENUE, 440 MAJ WM DEEGAN BLVD, BRONX, NY 10451

Facility Id: C203111

TT-Id: 320A-0005-041

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1205 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 417 & 445 GERARD AVENUE & 440 MAJOR WM DEEGAN BLVD

Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

See initial profile for 'GERARD AVENUE AND EAST 146TH STREET SITE' above.

Map Identification Number 16



FORMER ROCKET JEWELRY BOX SITE

414 GERARD AVENUE, BRONX, NY 10451

Facility Id: C203106

TT-Id: 320A-0004-921

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (1)

Approximate distance from property: 1270 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

CLASSIFICATION CODE: A

REGION: 2

SITE CODE: C203106

CLASSIFICATION CODE DESCRIPTION:

DEC ID: 564591

Work is underway and not yet complete.

NAME OF SITE: Former Rocket Jewelry Box Site

STREET ADDRESS: 414 Gerard Avenue

CITY: Bronx

ZIP: 10451

TOWN: New York City

COUNTY: Bronx

ESTIMATED SIZE: 0.29 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S) :

NAME: 125 Easst 144 Street Holdings LLC
 Azi Mandel
ADDRESS: 500 Frank W Burr Boulevard #47
 Teaneck, NJ 07666

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S) :

NAME: 125 East 144 Street Holdings LLC
 Azi Mandel
ADDRESS: 500 Frank W Burr Boulevard #47
 Teaneck, NY 07666

NAME: 414 Gerard llc
 Chris papamichael
ADDRESS: 11 park place suite 1705
 new york, NY 10007

DOCUMENT REPOSITORY(S) :

NAME: Mott Haven Library
ADDRESS: 321 East 140th Street
 Bronx, NY 10454

NAME: Bronx Community Board 1
ADDRESS: 3024 Third Avenue
 Bronx, NY 10455

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location: The site is located in an urban area at 414 Gerard Avenue in the Mott Haven neighborhood of the Bronx. The 12,600-square-foot (0.29 acre) lot is situated on the southwestern corner of the block bounded by East 146th Street to the north,

Walton Avenue to the east, East 144th Street to the south, and Gerard Avenue to the west.

Site Features: The site is developed with a vacant, one-story manufacturing building with a partial cellar. A 3,000-gallon No. 2 fuel oil aboveground storage tank (AST) was installed in the partial cellar in 1953 (New York State Department of Environmental Conservation [NYSDEC] Petroleum Bulk Storage [PBS] Site No. 2-207209). Current Zoning and Land Use: According to the New York City Planning Commission Zoning Map 6a, the site is located within the Lower Concourse Special Mixed Use Paired District (M1-4/R8A). This paired district promotes development and expansion of the longstanding mix of residential, commercial, industrial, and cultural use throughout the area. M1 districts typically include light industrial uses such as woodworking shops, repair shops, and wholesale service and storage facilities, and R8 districts promote residential development. Zoning is consistent with the proposed mixed-use development. The surrounding area is primarily commercial and industrial, but also includes residential buildings, public parks, day care centers, and schools. As part of the June 2009 Lower Concourse Rezoning, the site was E-Designated for hazardous materials and noise (E-227 and City Environmental Quality Review [CEQR] No. 08DCP071X).

Past Use of the Site: The site was an undeveloped vacant lot until at least 1928. A diner was located in the southern portion from 1935 to 1944; however, the site again appears vacant from 1946 to 1951. The existing on-site building was constructed in the early 1950s, and the site historically operated as a jewelry box manufacturer (Rocket Jewelry) from at least 1954 to 2016. From the 1950s through the 1970s, Rocket Jewelry manufactured jewelry packaging (including decorative boxes and textile covered metal boxes) and displays. During this time period, metal jewelry boxes were typically constructed using a mixture of metals including cadmium, copper, lead, nickel, and zinc. Lead-based paint may also have been used to decorate the outside of the jewelry boxes. Evidence of heavy machinery and nearby drains was observed throughout the first floor and partial cellar. In the 1980s, Rocket Jewelry moved the manufacturing processes overseas and maintained the Bronx-based warehouse for packaging and distribution until 2016. **Site Geology and Hydrogeology:** Based on findings from the Remedial Investigation, the site is underlain by fill material predominantly consisting of brown, fine- to coarse-grained sand with varying amounts of silt, gravel, concrete, brick, glass, ash, coal, slag, and debris. The fill was observed to depths varying between about 11 and 27 feet below grade surface (bgs) beneath the partial center in the western part of the site, and between about 9 and 16 feet bgs beneath the first floor in the eastern part of the site. Glacial till that predominantly consisted of fine- to coarse-grained sand with varying amounts of gravel and silt was observed below the fill. Bedrock has been encountered at depths ranging from about 20 to 50 feet bgs. Depth-to-bedrock increased from east to west across the site footprint. Groundwater was observed at a depth of about 20 feet bgs across the site footprint. The groundwater flow direction for the area surrounding the site is to the west towards the Harlem River.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
tetrachloroethene (PCE)	UNKNOWN
mercury	UNKNOWN
benzo(b) fluoranthene	UNKNOWN
chrysene	UNKNOWN
dibenz[a,h]anthracene	UNKNOWN
indeno(1,2,3-CD)pyrene	UNKNOWN
benzo(a)pyrene	UNKNOWN
benzo(a)anthracene	UNKNOWN
chromium	UNKNOWN
copper	UNKNOWN
cadmium	UNKNOWN

lead

UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Soil and groundwater were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, polychlorinated biphenyls (PCBs), herbicides and pesticides. Soil vapor samples were analyzed for VOCs. Soil: The primary contaminants found in subsurface site soils are SVOCs, specifically polycyclic aromatic hydrocarbons (PAHs), and metals typically found in historic fill, which is generally present in the top 27 feet of the site. Seven PAHs were detected in soils down to 27 feet bgs during the RI, included but not limited to, benzo(a)anthracene at a maximum concentration of 5 part per million (ppm) (unrestricted use soil cleanup objective [UUSCO] is 1 ppm), benzo(a)pyrene maximum concentration at 3.9 ppm (UUSCO is 1 ppm), benzo(b)fluoranthene at maximum concentration 4.5 ppm (UUSCO is 1 ppm), benzo(k)fluoranthene at maximum 1.4 ppm (UUSCO is 0.8 ppm), chrysene at maximum 4.9 ppm (UUSCO is 1 ppm), dibenzo(a,h)anthracene at maximum 0.55 ppm (UUSCO is 0.33 ppm) and indeno(1,2,3-cd)pyrene at maximum 0.52 ppm (UUSCO is 0.5 ppm). Metals, including barium, cadmium, copper, lead, mercury, nickel, trivalent chromium and zinc were found in site soils down to 24 feet bgs. Barium at maximum 716 ppm (UUSCO is 350 ppm), cadmium at maximum 2.76 ppm (UUSCO is 2.5 ppm), copper at maximum 55.5 ppm (UUSCO is 50 ppm), lead at maximum 64.9 ppm (UUSCO is 63 ppm), mercury at maximum 0.21 ppm (UUSCO is 0.18 ppm), nickel at maximum 32.4 ppm (UUSCO is 30ppm), trivalent chromium at maximum 31 ppm (UUSCO is 30 ppm) and zinc at maximum 113 ppm (UUSCO is 109 ppm). Total PCBs were detected in two samples at concentrations above the UUSCO of maximum 0.1 ppm. Three pesticides were detected slightly above the UUSCO. There were no herbicides detected at concentrations exceeding the UUSCOs. Data does not indicate any off-site impacts in soil related to this site.

Groundwater: One VOCs was detected in groundwater, chloroform at 26 parts per billion (ppb) which is above the ambient water quality standard (AWQS) of 7 ppb. Two SVOCs were detected above standards as follows: benzo(a)anthracene at 0.03 ppb (AWQS is 0.002) and benzo(b)fluoranthene at 0.02 ppb (AWQS is 0.002 ppb). No PCBs, pesticides or metals of concern were detected in groundwater over standards. Data does not indicate any off-site impacts in groundwater related to this site. Soil Vapor: Five soil vapor samples and one ambient air sample were collected and submitted for laboratory analysis of USEPA TO-15 VOCs. Tetrachloroethene (PCE) was detected in soil vapor at concentrations ranging from 9.9 micrograms per cubic meter (ug/m3) to 93.6 ug/m3. PCE was not detected in the ambient air sample. PCE's daughter product, trichloroethene (TCE), was detected at a concentration of 1.12 ug/m3.

Petroleum-related compounds including benzene, toluene, ethylbenzene, and xylenes (BTEX) were detected at concentrations ranging from about 77 ug/m3 to 256 ug/m3 compared to an ambient air concentration of 8 ug/m3. Total VOC concentrations ranged from approximately 461 ug/m3 to 695 ug/m3, compared to an ambient air concentration of 18 ug/m3. Data does not indicate any off-site impacts in soil vapor related to this site.

ASSESSMENT OF HEALTH PROBLEMS:

People are not expected to come in contact with contaminated soils unless they trespass on the site and dig below the surface materials. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds may move into the soil vapor (air spaces within the soil), which in turn may move into nearby buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The potential exists for the inhalation of site contaminants due to soil vapor intrusion if the site is re-occupied or redeveloped. Sampling indicates soil vapor intrusion is not a concern for off-site buildings.

PROJECT COMPLETIONS:

Operable Unit 01 - Remedial Program
PROJECT

DESCRIPTION

END DATE STATUS

Remedial Investigation
Remedial Design

Excavation

11/29/2018 Actual

11/29/2018 Actual

Map Identification Number 17**GERARD AVENUE AND EAST 146TH STREET SITE**

417 AND 445 GERARD AVENUE, 440 MAJ WM DEEGAN BLVD, BRONX, NY 10451

Facility Id: C203111**TT-Id: 320A-0004-988****MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1273 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 417 & 445 GERARD AVENUE & 440 MAJOR WM DEEGAN BLVD

Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

See initial profile for 'GERARD AVENUE AND EAST 146TH STREET SITE' above.

Map Identification Number 18**CONCOURSE VILLAGE WEST APARTMENTS – SOUTH**

741 CONCOURSE VILLAGE AND 702 GRAND CONCOURSE, BRONX, NY 10451

Facility Id: C203092**TT-Id: 320A-0004-842****MAP LOCATION INFORMATION**

Site location mapped by: MAP COORDINATE (1)

Approximate distance from property: 1290 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

See initial profile for 'CONCOURSE VILLAGE WEST APARTMENTS – SOUTH' above.

Map Identification Number 19**GATEWAY CENTER AT BRONX TERMINAL MARKET, WESTERN**

EXTERIOR STREET, BRONX, NY 10451

Facility Id: C203028**TT-Id: 320A-0000-057****MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING – LARGE SITE

Approximate distance from property: 1460 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: EXTERIOR ST

Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

BROWNFIELD CLEANUP PROGRAM

CLASSIFICATION CODE: N
CLASSIFICATION CODE DESCRIPTION:
No further action

REGION: 2

SITE CODE: C203028
DEC ID: 334374

NAME OF SITE: Gateway Center at Bronx Terminal Market, Western
STREET ADDRESS: Exterior Street
CITY: Bronx ZIP: 10451

TOWN: New York City
COUNTY: Bronx

ESTIMATED SIZE: 5.761 Acres

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:
CURRENT OWNER(S):
NAME: BTM DEVELOPMENT PARTNERS, LLC
ADDRESS: 625 MADISON AVE.
NEW YORK, NY 10022

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):
NAME: BTM DEVELOPMENT PARTNERS, LLC
ADDRESS: 625 MADISON AVE.
NEW YORK, NY 10022

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

The Site is located in an urban area in Bronx County along Exterior Street (Major Deegan Expressway) with one parcel of approximately 5.8 acres starting approximately 583 feet north of E. 150th Street. The Site includes buildings and open areas, with some of the buildings in use as a food and farmer's market. Surrounding uses include the Major Deegan Expressway, and a mix of commercial and industrial uses including parking, warehousing, and manufacturing. Immediately west of the site is the Oak Point Rail Link (railroad trestle) and the Harlem River. Prior uses of the site include a power plant, a refrigeration plant, a towing company, a fireproofing manufacturer, and an oil company facility. A phase I/II Environmental Site Assessment was performed in 2003. Scoping of additional site investigation activities is anticipated in February 2005. The Agreement was

terminated October 2, 2006 at the request of the Volunteer.

CONFIRMED HAZARDOUS WASTE DISPOSED:

None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The primary contaminants of concern at the Site known at this time include SVOCs and mercury, copper and zinc. The 2003 investigation revealed Site soils and fill are contaminated with these contaminants, and other contaminants at lower levels, above SCGs.

ASSESSMENT OF HEALTH PROBLEMS:

None provided

PROJECT COMPLETIONS:

None reported

Map Identification Number 20



FORMER METRO NORTH PROPERTY

730 CONCOURSE VILLAGE WEST, NEW YORK, NY 10451

Facility Id: C203030

TT-Id: 320A-0004-680

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (1)

Approximate distance from property: 1514 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

CLASSIFICATION CODE: C

REGION: 2

SITE CODE: C203030

DEC ID: 335960

CLASSIFICATION CODE DESCRIPTION:

Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: Former Metro North Property

STREET ADDRESS: 730 Concourse Village West

CITY: New York

ZIP: 10451

TOWN: New York City

COUNTY: Bronx

ESTIMATED SIZE: 0.918 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

CONTROL:	IN-PLACE DATE:
Ground Water Use Restriction	07/30/2010
Vapor Mitigation	07/30/2010
Soil Management Plan	07/30/2010
Groundwater Containment	07/30/2010
Subsurface Barriers	07/30/2010
Fencing/Access Control	07/30/2010
Landuse Restriction	07/30/2010
Building Use Restriction	07/30/2010
Monitoring Plan	07/30/2010
Site Management Plan	07/30/2010
O&M Plan	07/30/2010
IC/EC Plan	07/30/2010
Environmental Easement	07/30/2010

CROSS REFERENCES:

IDENTIFIER	SOURCE
-----	-----
0551708	Spill No.
2010000265110	County Recording Identifier
203036	HW Site ID
203042	HW Site ID
w2-1074-05-08	Agreement/Consent Order Number

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: New York City Dept of Education
 Bernie Orlan
ADDRESS: 44-36 Vernon Blvd
 Long Island CITY, NY 11101

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

NAME: NEW YORK CITY DEPT OF EDUCATION
 BERNIE ORLAN
ADDRESS: 44-36 VERNON BLVD
 3RD FLOOR
 LONG ISLAND CITY, NY 11101

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Site Location: The Site ("BCP Area") encompasses approx. 0.9 ± acre of the approx. 7-acre Mott Haven School Campus ("MHSC"). The Site is located at 730 Concourse Village West, Block 2443, part of Lot 78 in Bronx, New York. The portion of the MHSC adjoining the BCP Area which is located on Block 2443, part of Lot 78 is referred to as the "Non-BCP Area A". The adjacent approx. 7.7-acre property which houses Primary School No. 156 and Intermediate School No. 151 is located on Block 2443, Lots 79 and 190.

The area beneath the platforms that support PS 156 and IS 151 is referred to as the "Non-BCP Area B".

Site Features: The Site is located in a topographic depression. The properties to the north and west are approximately 30 feet higher than the Site. To the north, Primary School No. 156, Intermediate School No. 151, and two apartment buildings are constructed on 30-foot-high concrete columns. The properties to the west are separated from the Site by a 30-foot-high retaining wall. The properties to the south are at approximately the same elevation as the Site. To the east of the Site, the ground again rises to approximately 20 feet above the Site. Current Zoning and Land Use: The current use of the site in the BCP area is a high school. The adjacent properties, besides Primary School No. 156 and Intermediate School No. 151 to the north, include the New York and Harlem Railroad to the east, the New York and Harlem Railroad and Cardinal Hayes High School to the south, and apartment buildings, Herk Elevators, parking lots, Live Poultry and Nationwide Warehouse to the west. Past Uses of the Site: The Site had been a railyard since 1891, with a machine shop, paint area, carpenter shop, and electrical warehouse located to the west of the property. All of these buildings were demolished between 1951 and 1977. The Site remained undeveloped until 2007 when construction of the Mott Haven School Campus was initiated.

Site Geology and Hydrogeology: Groundwater flow direction is generally to the west.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
-----	-----
NAPHTHALENE	UNKNOWN
TOLUENE	UNKNOWN
XYLENE (MIXED)	UNKNOWN
ETHYLBENZENE	UNKNOWN
BENZENE	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Nature and Extent of Contamination: Remedy on the site is now completed, and the project is in Site Management phase. The contaminants of concern in soil were benzene, toluene, ethylbenzene, and xylenes (BTEX), naphthalene, 2-methylnaphthalene, and the polynuclear aromatic hydrocarbon (PAHs) benzo(a)anthracene. The most significant contamination identified in soil and groundwater was confined to the northwestern portion of the Site (BCP area). The contaminants of concern in groundwater were dissolved phase VOC and naphthalene contamination. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. The site is managed under a Site Management Plan.

ASSESSMENT OF HEALTH PROBLEMS:

It is unlikely that people will come in contact with residual soil contamination remaining at depth as the site is covered by buildings, asphalt, concrete and other covered surfaces, i.e., synthetic turf or rubber surfaces. Inhalation of contaminants via soil vapor intrusion has been prevented through the installation of a vapor barrier and continuous operation of an active

mitigation system in the new on-site school buildings. Exposure to contaminants in drinking water is not expected since the area is served by public drinking water.

PROJECT COMPLETIONS:

Operable Unit 00 - Site Management

PROJECT	DESCRIPTION	END DATE	STATUS
Certificate of Completion		08/18/2010	Actual

Operable Unit 01 - Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Investigation		07/05/2006	Actual
Remedial Design		07/05/2006	Actual
Remedial Action		08/18/2010	Actual

Map Identification Number 21

 CONCOURSE VILLAGE WEST APARTMENTS - NORTH

180 EAST 156TH STREET, BRONX, NY 10451

Facility Id: C203091

TT-Id: 320A-0004-855

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1534 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

CLASSIFICATION CODE: C

REGION: 2

SITE CODE: C203091

DEC ID: 548243

CLASSIFICATION CODE DESCRIPTION:

Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: Concourse Village West Apartments - North

STREET ADDRESS: 180 East 156th Street

CITY: Bronx ZIP: 10451

TOWN: New York City

COUNTY: Bronx

ESTIMATED SIZE: 0.358 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

CONTROL:	IN-PLACE DATE:
Ground Water Use Restriction	10/22/2019
Landuse Restriction	10/22/2019
Site Management Plan	10/22/2019
Environmental Easement	10/22/2019

CROSS REFERENCES:

IDENTIFIER	SOURCE
-----	-----
1801890	Spill No.
2019000343629	County Recording Identifier
C203091-09-17	Agreement/Consent Order Number

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME:	HP CONCOURSE VILLAGE WEST HOUSING DVLPM T FUND COMPANY, INC.	Owner Type:	Corporate or Commercial
	David Marks Cohen		
ADDRESS:	242 west 36th street		
	3rd floor		
	new york, NY 10001		
NAME:	Concourse Village West Owner LLC		
	Guido Subotovsky		
ADDRESS:	40 Fulton Steet, Suite 2002		
	new york, NY 10038		

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

NAME:	Concourse Village West Owner LLC
	Guido Subotovsky
ADDRESS:	40 Fulton Street, Suite 2002
	New York, NY 10038

DOCUMENT REPOSITORY(S):

NAME:	New York Public Library - Melrose Branch
ADDRESS:	910 Morris Avenue
	Bronx, NY 10451
NAME:	Bronx Community Board 4
	Kathleen Saunders
ADDRESS:	1650 Selwyn Avenue

Suite 11A
Bronx, NY 10457

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location: The site is located at 180 East 156th Street (Block 2458, Lot 35), in a commercial and residential area of the Bronx.

Site Features: The subject property consists of a 15,597 square-foot rectangularly shaped parcel. The site is being developed as a ten-story mixed residential-commercial building.

Current Zoning and Land Use: The current zoning designation of the site is C8-3 (commercial and industrial uses). Surrounding property usage is primarily commercial and residential. To the north of the site is an indoor parking garage and residential apartment buildings. Adjoining the property to the east is a KIPP Academy Elementary School; adjoining to the south is Bronx Live Poultry Corporation and across the Grand Concourse to the west is Franz Sigel Park, a NYC Municipal Park.

Past Uses of the Site: This site was occupied by two small wood frame buildings in 1891, use unknown, and an undeveloped lot from at least 1908 to 1950 at which time the existing building was constructed. Identified former uses since 1950 include a gasoline filling station (1951 to late 1960s), auto repair and auto body shops (1950 to 1990s), automobile parking, office uses, retail store, and a retail coin operated Laundromat.

Site Geology and Hydrogeology: Subsurface conditions consist of several feet of historic fill soils, underlain by glacial outwash sand deposits; varved glacial lake deposits consisting predominately of silt and low plasticity clay; and bedrock. The fill typically consists of sand with varying amounts of ash, cinders and glass. Silts, clays and underlying clays consisted of predominantly fine grained varved glacial lake deposits below the fill layer. Bedrock is estimated be approximately 80 ft. below ground surface (bgs). No evidence of perched water was observed during the Remedial Investigation (RI). Saturated soil indicative of the regional groundwater table was observed at approximately 30 32 ft. bgs. During the RI groundwater was reported to flow to the south; during the Supplemental RI, groundwater flow was reported to flow to the southeast. Based upon regional topography, groundwater is anticipated to flow in a south/southeasterly direction. The Harlem River is located approximately 0.4 miles west of the site.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
-----	-----
copper	UNKNOWN
lead	UNKNOWN
barium	UNKNOWN
selenium	UNKNOWN
1,3,5-trimethylbenzene	UNKNOWN
chrysene	UNKNOWN
1,2,4-TMB	UNKNOWN
tetrachloroethene (PCE)	UNKNOWN
benzo(a)anthracene	UNKNOWN
xylene (mixed)	UNKNOWN
ethylbenzene	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were polycyclic aromatic hydrocarbons and metals in soil, and petroleum related volatile organic compounds in groundwater. Remedial actions have successfully achieved soil cleanup objectives for restricted-residential use. Remaining contamination in the soil and groundwater is being managed under a Site Management Plan.

ASSESSMENT OF HEALTH PROBLEMS:

Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site.

PROJECT COMPLETIONS:

Operable Unit 00 - Site Manegement

PROJECT	DESCRIPTION	END DATE	STATUS
Certificate of Completion		12/23/2019	Actual

Operable Unit 01 - Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design		10/17/2018	Actual
Remedial Investigation		10/17/2018	Actual
Remedial Action		12/23/2019	Actual

Map Identification Number 22



335 GRAND CONCOURSE

335 GRAND CONCOURSE, BRONX, NY

Facility Id: 15CVCP020X

TT-Id: 330A-0000-040

VCP Project Id: 15CVCP020X

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1952 feet to the S

ADDRESS CHANGE INFORMATION

Revised street:

Revised zip code:

Brownfield Program: NYC Voluntary Cleanup Program

Class: Active

Parcel(s): Block 2345 Lot(s) 1

[Click here for detailed site information.](#) Copy and paste 15CVCP020X in the search box, click the green search button, then click the Project ID # to see downloadable site documents.

Map Identification Number 23 **310 GRAND CONCOURSE**
 310-336 GRAND CONCOURSE, BRONX, NY 10421

Facility Id: C203121
TT-Id: 320A-0005-266

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2121 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: 322 GRAND CONCOURSE

Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

CLASSIFICATION CODE: A

REGION: 2

SITE CODE: C203121

DEC ID: 583943

CLASSIFICATION CODE DESCRIPTION:

Work is underway and not yet complete.

NAME OF SITE: 310 Grand Concourse

STREET ADDRESS: 310-336 Grand Concourse

CITY: Bronx

ZIP: 10421

TOWN: New York City

COUNTY: Bronx

ESTIMATED SIZE: 0.67 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

None reported

CROSS REFERENCES:

None reported

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S):

NAME: 310 Grand Concourse LLC
Shloime Gross

Owner Type: Corporate or Commercial

ADDRESS: 199 Lee Avenue #777
Brooklyn, NY 11211

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S):

NAME: 310 Grand Concourse LLC
Shloime Gross

ADDRESS: 199 Lee Avenue #777
Brooklyn, NY 11211

NAME: 336 Grand Concourse LLC
Shloime Gross

ADDRESS: 199 Lee Avenue #177
Brooklyn, NY 11211

DOCUMENT REPOSITORY(S):

NAME: New York Public Library - Mott Haven Branch
N/A

ADDRESS: 321 East 140th Street
Bronx, NY 10454

NAME: Bronx Community Board 1
N/A

ADDRESS: 3024 Third Avenue
Bronx, NY 10455

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location: The Site is located in the Mott Haven neighborhood of Bronx County and is comprised of the two full tax parcels (Lot 28, 31) with a portion of a third parcel (Lot 10) which are currently being merged (Figure 2). The total area of the new lot is 29,538 square feet (0.68 acres). The Site is located in the City of New York and Borough of the Bronx. The Site is irregular shaped with 237.33 feet of frontage along Grand Concourse.

The north and south sides of the property are bordered by commercial properties. The west side is bordered by Grand Concourse with commercial properties on the west side. The east side is bordered by the Metro North rail line. Site Features: The Site is improved with three 1-story masonry buildings constructed approximately in 1931; two on lot 28 and one on Lot 31. The southern half of lot 28 is partitioned off into two parking lots with 6 to 8 ft high fencing structures and awnings. The buildings and property are currently vacant. Current Zoning and Land Use: The property is currently zoned C6-2A. C6 districts permit a wide range of high-bulk commercial uses requiring a central location. Most C6 districts are in Manhattan, Downtown Brooklyn and Downtown Jamaica; a C6-3D district is mapped in the Civic Center area of the Bronx. Corporate headquarters, large hotels, department stores and entertainment facilities in high-rise mixed buildings (residential / commercial) are permitted in C6 districts. C6-2A, C6-3A, C6-3X and C6-4A are contextual districts with maximum building heights. C6 districts are well served by mass transit, and off-street parking is generally not required.

Surrounding land use (Figure 5) primarily consists of commercial (warehouses, auto repair, etc) and industrial (manufacturing) to the north, south, east and west. There are several multi-family apartment buildings to the north and to the east on the opposite

side of the Metro-North railway. The area surrounding the property is highly urbanized and predominantly consists of industrial / commercial buildings interspersed with open air parking / display lots and equipment yards.

There are four schools located within 1,200 feet of the Site including the Health Opportunities High School approximately 975 feet to the west, Hostos Community College located 1,200 feet to the north, P.S. 31 located 977 feet to the north and P.S. 168 located 750 feet to the east. There were no nursing homes or hospitals identified within 1,200 feet of the Site. Past Use of the Site: The environmental history of the subject property was previously investigated through the review of Federal and State Environmental databases, Environmental Sanborn Fire Insurance maps, NYC Department of Building records and the NYC Department of Finance databases.

According to the review of these sources the Site was developed prior to 1891 with four 2-story, one 4-story and one 2-story residential buildings and out buildings. The 3 and 4-story buildings and outbuildings were gone by 1903 and replaced with three 4-story apartment buildings. By 1935 the apartment buildings were gone and replaced with three small 1-story commercial buildings and a storefront building on Lot 28. The existing 1-story building on Lot 31 is also present at this time and identified as "Auto Trade". Two gas stations appear on lot 28 in 1944 with the 1-story building on the north side of the lot identified as auto repair. The building on lot 31 is identified as auto glass. By 1977 the two former gas stations and auto repair building are all gone and replaced with a new gas station. A commercial building was added to the gas station building by 1986 with the gas station building now labeled as auto repair. In 1991 the southern portion of Lot 28 is identified as used auto sales. In 2006 the building on Lot 31 is now labeled commercial.

Historically, Lot 28 has been occupied by several gas stations and auto repair shops from 1944 on to the present. Lot 31 has been occupied by auto repair shops (glass, radiator) from 1944 through 2000 at which time it was occupied by a medical imaging facility. One of the Requestors, 310 Grand Concourse LLC, purchased the property in October 2018. Site Geology and Hydrogeology: Subsurface soils at the Site consist of historic fill materials to a depth of approximately 5 feet below grade followed by native silty-sand. According to the USGS topographic map for the area (Central Park Quadrangle), the elevation of the property is approximately 34 feet above mean sea level. The topography within the immediate area slopes gradually to the west and south. Groundwater occurs beneath the Site at a depth of approximately 13 feet below grade under water table conditions. Based on groundwater flow maps on properties in the vicinity, groundwater flow is generally west to southwest toward the Harlem River. As shown on Figure 8, the Site is not located within a designated flood zone area.

CONFIRMED HAZARDOUS WASTE DISPOSED:

None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Environmental Assessment: Soil and groundwater were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, polychlorinated biphenyls (PCBs), and pesticides.

Soil - Fifteen soil samples were collected during the Remedial Investigation (RI). Exceedances of metals occurred across the site at a shallow depth of 0-2 feet below ground surface. These metals include lead at 4210 milligrams per kilogram (mg/kg) compared to a restricted residential soil cleanup objective (RRSCO) of 400 mg/kg; mercury at 3.4 mg/kg versus 0.81 mg/kg; copper at 873 mg/kg versus 270 mg/kg; and barium at 2370mg/kg versus 400 mg/kg. Several SVOCs slightly exceed RRSCO in the Southeast corner of the site.

Groundwater - Two groundwater samples were collected during the RI. Several VOCs were exceeded NYS groundwater quality standards in one of the samples. These VOCs include trimethylbenzene at 41 micrograms per liter (ug/L) compared to the standard of 5 ug/L;

ethylbenzene at 130 versus 5 ug/L; 138 ug/L total xylenes versus 5 ug/L; and toluene at 19 ug/L versus 5 ug/L.

Soil Gas and Soil Vapor - Four soil gas and six soil vapor points were collected during the RI. Petroleum related compounds (generally benzene, toluene, ethylbenzene, and xylenes; BTEX) were generally low across with site, with the exception of one location, SG1, with BTEX at 3,600 micrograms per cubic meter (ug/m³). Other VOC detections include carbon tetrachloride (maximum detection of 0.44 ug/m³), trichloroethene (maximum detection of 1.77 ug/m³), and tetrachloroethene (maximum detection of 143 ug/m³).

ASSESSMENT OF HEALTH PROBLEMS:

Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

PROJECT COMPLETIONS:

None reported

Map Identification Number 24



810 RIVER

810 RIVER AVENUE, BRONX, NY 10451

Facility Id: C203066

TT-Id: 320A-0003-109

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2148 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Brownfield Program: Brownfield Cleanup Program

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BROWNFIELD CLEANUP PROGRAM

CLASSIFICATION CODE: C

REGION: 2

SITE CODE: C203066

DEC ID: 467866

CLASSIFICATION CODE DESCRIPTION:

Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: 810 River

STREET ADDRESS: 810 River Avenue

CITY: Bronx

ZIP: 10451

TOWN: New York City

COUNTY: Bronx

ESTIMATED SIZE: 0.46 Acre

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

INSTITUTIONAL/ENGINEERING CONTROLS:

None reported

CROSS REFERENCES:

IDENTIFIER

SOURCE

1504031-----
Spill No.

C203066-11-14

Agreement/Consent Order Number

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S) :

NAME: 810 River Ave. Housing Development Fund Corporation
ADDRESS: c/o Housing Partnership Development Corporation
242 West 36th Street 3rd Floor
New York, NY 10018

Owner Type: Innocent Owner NonRegistry-HazSubs

NAME: 810 River Avenue LLC
Aaron Segal
ADDRESS: c/o M. Melnick & Co., Inc.
225 Willow Avenue
Bronx, NY 10454

Owner Type: Corporate or Commercial

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S) :

NAME: 810 River Partners LLC
Aaron Segal
ADDRESS: 225 Willow Avenue
Bronx, NY 10454

DOCUMENT REPOSITORY(S) :

NAME: New York Public Library - Melrose Branch
Dawn Holloway
ADDRESS: 910 Morris Avenue
Bronx, NY 10451

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

Location: The 810 River site is a 0.46 acre property located in an urban area of Bronx County at the southeast corner of River Avenue and East 158th Street near Yankee Stadium. Site Features: The entire site has been redeveloped with a seventeen-story apartment building. The site is bordered to the east by an apartment building; by a park to the south; by River Avenue and the

elevated No. 4 subway to the west; Heritage Field / Macombs Park is across River Avenue; and by a parking garage to the north across East 158th Street.

Current Zoning and Land Use: The property is within an Inclusionary Housing Designated Area and is zoned C6-3D for commercial/mixed use that includes residential.

Past Use of the Site: Business operations ceased at the site in 2011. The former building last housed a bowling alley since circa 1960, a sports bar and grill, and a screen printing business. From 1927 through 1956, an auto repair garage was located in the building.

Site Geology and Hydrogeology: According to the USGS topographic map for the area (Harlem Quadrangle), the elevation of the property is approximately 25 feet above mean sea level. The area topography gradually slopes to the west.

The site building is built with a mat-slab foundation to about 16 feet below grade. The slab lays on a coarse sand and gravel layer to a depth of approximately 20 to 30 feet at which point bedrock is encountered. Bedrock geology at the site and immediate vicinity consists of Inwood Marble of Lower Ordovician to Lower Cambrian age with steep westerly dip of its upper surface.

Groundwater occurs beneath the site at approximately 18-20 feet below grade. Based on measurements made at the site, groundwater flows to the west-northwest toward the Harlem River.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
-----	-----
TETRACHLOROETHYLENE (PCE)	UNKNOWN
1,1 Dichloroethene	UNKNOWN
TRICHLOROETHENE (TCE)	UNKNOWN
LEAD	UNKNOWN
ZINC	UNKNOWN
CHROMIUM	UNKNOWN
BARIUM	UNKNOWN
tetrachloroethene (PCE)	UNKNOWN
cis-1,2-Dichloroethene	UNKNOWN

The following material(s) have been modified or deleted from the registry. Data reflects previous information.

DICHLOROETHYLENE	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Nature and Extent of Contamination: Soil The remedial action completed in 2016 achieved unrestricted use soil cleanup objectives. Groundwater Prior to completion of the remediation groundwater samples collected during the remedial investigation contained VOC detections exceeding New York State 6NYCRR Part 703.5 for Class GA Groundwater Quality Standards (GQS) in four out of the five monitoring wells sampled. These VOCs included cis-1,2-DCE, TCE and PCE at the respective maximum concentrations of 265 parts per billion (ppb), 135 ppb and 292 ppb. In an upgradient sampling point along Gerard Avenue, PCE, TCE and cis-1,2-DCE were observed at concentrations similar to those found on-site; thus strongly indicating an upgradient source groundwater contaminants. SVOCs and PCB/pesticides were not detected in any of the groundwater samples collected.

The remedy removed all soil contamination above unrestricted use soil cleanup objectives and protection of groundwater soil cleanup objectives. Therefore, after remediation no sources of groundwater contamination remain at the site. Soil Vapor The chlorinated VOCs; PCE (750 µg/m3) and TCE (29 µg/m3) were detected at elevated levels in all of the soil vapor samples prior to site remediation. The soil vapor impacts appeared to have been associated with the contamination found in groundwater and are therefore due to an upgradient source.

Based on the data, it is not anticipated that site-related contamination had migrated off-site in any environmental media.

ASSESSMENT OF HEALTH PROBLEMS:

Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that is not affected by this contamination. Remedial actions completed at the site have eliminated all potential exposures to site-related soil contamination.

PROJECT COMPLETIONS:

Operable Unit 01 - Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Investigation		04/02/2015	Actual
Remedial Design		04/02/2015	Actual
Certificate of Completion		12/01/2016	Actual
Remedial Action		12/01/2016	Actual

Map Identification Number 25
 **810 RIVER AVENUE**
810 RIVER AVENUE, BRONX, NY

Facility Id: 14CVCP171X
TT-Id: 330A-0000-028
VCP Project Id: 14CVCP171X

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2148 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street:
Revised zip code:

Brownfield Program: NYC Voluntary Cleanup Program

Class: Active

Parcel(s): Block 2483 Lot(s) 5

[Click here for detailed site information.](#) Copy and paste 14CVCP171X in the search box, click the green search button, then click the Project ID # to see downloadable site documents.

Map Identification Number 26 **MORRIS COURT APARTMENTS**
 247 EAST 142ND STREET, BRONX, NY

Facility Id: 12CVCP059X
TT-Id: 330A-0000-016
VCP Project Id: 12CVCP059X

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2214 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street:
Revised zip code:

Brownfield Program: NYC Voluntary Cleanup Program

Class: Completed (C)

Parcel(s): Block 2334 Lot(s) 38, 39, 40, 41, 43, 45, 59

[Click here for detailed site information.](#) Copy and paste 12CVCP059X in the search box, click the green search button, then click the Project ID # to see downloadable site documents.

Map Identification Number 27 **2350 FIFTH AVENUE**
 2350 FIFTH AVENUE, NEW YORK, NY 10037

Facility Id: V00256
TT-Id: 280A-0000-533

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2231 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 2350 5TH AVE
Revised zip code: NO CHANGE

Brownfield Program: Voluntary Cleanup Program

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
VOLUNTARY CLEANUP PROGRAM

CLASSIFICATION CODE: N
CLASSIFICATION CODE DESCRIPTION:
No further action

REGION: 2

SITE CODE: V00256
DEC ID: 57692

NAME OF SITE: 2350 Fifth Avenue
STREET ADDRESS: 2350 Fifth Avenue
CITY: New York ZIP: 10037

TOWN: New York City
COUNTY: New York

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 1.7 Acres

INSTITUTIONAL/ENGINEERING CONTROLS:

None reported

CROSS REFERENCES:

IDENTIFIER

SOURCE

The following cross reference(s) have been deleted from the registry. Data reflects previous information.

00-TEMP-01-54(R)

Haz. Substance ID

SITE OWNER/OPERATOR/REPOSITORY INFORMATION:

CURRENT OWNER(S) :

NAME: 2350 FIFTH AVENUE CORPORATION

Owner Type: Missing Code in Old Data

ADDRESS: 2350 FIFTH AVE.
NEW YORK, NY 10017

OWNER(S) DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

APPLICANT REQUESTOR(S) :

NAME: 2350 Fifth Avenue Corp.

Applicant Type: Missing Code in Old Data

ADDRESS: 2350 FIFTH AVE.
NEW YORK, NY 10037

HAZARDOUS WASTE DISPOSAL PERIOD:

SITE DESCRIPTION:

See site no. 231004.

CONFIRMED HAZARDOUS WASTE DISPOSED:

None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

None provided

ASSESSMENT OF HEALTH PROBLEMS:

None provided

PROJECT COMPLETIONS:

None reported



SOLID WASTE FACILITIES IDENTIFIED WITHIN THE 1/2 MILE SEARCH RADIUS

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

Map Identification Number 28



BRONX COUNTY RECYCLING

475 EXTERIOR STREET, BRONX, NY 10451

Facility Id: NY00000000438

TT-Id: 390A-0004-476

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 1107 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Activity Number	Activity Type	Active?	Regulatory Status	Activity Start Date	Activity End Date	Activity Closed Date	Activity Delisted Date
03W87	C&D processing – registration	No		02/17/2002			
Affiliation			Affiliation Type			Affiliation Start Date	Affiliation End Date
Bronx County Recycling			Owner			10/12/2005	
475 Exterior Street, Bronx, NY, 10451			Contact			02/08/2002	
Salvatore Cascino							
United States							

Map Identification Number 29



EQUINOX ASSOCIATES, INC. (UNIVERSAL DEMO)

475 EXTERIOR STREET, BRONX, NY 10451

Facility Id: NY00000000464

TT-Id: 390A-0004-480

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 1107 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Activity Number	Activity Type	Active?	Regulatory Status	Activity Start Date	Activity End Date	Activity Closed Date	Activity Delisted Date
03W66	C&D processing – registration	No	Permit	02/17/2002			

Affiliation	Affiliation Type	Affiliation Start Date	Affiliation End Date
RICHARD TUORTO, SITE MANAGER United States	Contact	02/08/2002	

Map Identification Number 30
 **NEW YORK RECYCLING LLC**
475 EXTERIOR STREET, BRONX, NY 10451

Facility Id: NY40000117825
TT-Id: 390A-0004-490

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1107 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Activity Number	Activity Type	Active?	Regulatory Status	Activity Start Date	Activity End Date	Activity Closed Date	Activity Delisted Date
03W87	C&D processing – registration	Yes	Registration	02/12/2012			

Map Identification Number 31
 BRONX TERMINAL MARKET, BRONX

Facility Id: NY247
TT-Id: 400A-0000-240

MAP LOCATION INFORMATION
Site location mapped by:
Approximate distance from property: 1165 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10451

1934 New York City municipal waste disposal site --- Cubic yards dumped in 1934: 128

Map Identification Number 32
 FRANZ SIEGEL PARK, BRONX

Facility Id: NY241
TT-Id: 400A-0000-239

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING – LARGE SITE
Approximate distance from property: 1370 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10451

1934 New York City municipal waste disposal site --- Cubic yards dumped in 1934: 74

Map Identification Number 33 **CON-EDISON @ SERVICE CENTER**
 281 EXTERIOR STREET, BRONX, NY 10451

Facility Id: NY00000000465
TT-Id: 390A-0004-542

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2170 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Activity Number	Activity Type	Active?	Regulatory Status	Activity Start Date	Activity End Date	Activity Closed Date	Activity Delisted Date
03W70	C&D processing – registration	No		02/17/2002			
Affiliation			Affiliation Type			Affiliation Start Date	Affiliation End Date
HARRY A. COATES United States			Contact			02/08/2002	

Map Identification Number 34 **ECOLOGY RECYCLING PLANT**


Facility Id: 03T27
TT-Id: 380A-0000-211

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2424 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 321 CANAL PL
Revised zip code: 10451

The following is historic data. The Activity ID is not associated with any other solid waste facilities.

PERMIT NUMBER	PERMIT EXPIRES	FACILITY TYPE	FACILITY STATUS	WASTE TYPES
20850416		LARGE TRANSFER STATION (>50000 CY/YR)		'High Grade Paper'

Map Identification Number 35 **ECOLOGY RECYCLING PLANT**
 321 CANAL PLACE, BRONX, NY 10451

Facility Id: NY00000000254
TT-Id: 390A-0004-514

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2424 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Activity Number	Activity Type	Active?	Regulatory Status	Activity Start Date	Activity End Date	Activity Closed Date	Activity Delisted Date
03M27	RHRF – registration	No		02/17/2002			
Affiliation			Affiliation Type			Affiliation Start Date	Affiliation End Date
ANTHONY LACAVALLA United States			Contact			02/08/2002	



HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSERS IDENTIFIED WITHIN THE 1/2 MILE SEARCH RADIUS

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

Map Identification Number 36 POWER CHEMICAL CO INC



387 RIDER AVE

BRONX, NY 10451

Facility Id: NYD001549633

TT-Id: 460A-0000-048

EPA (RCRA) Name: POWER CHEMICAL CO INC

EPA (RCRA) Address: 387 RIDER AVE

BRONX, NY 10451

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)

Approximate distance from property: 2123 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Notification date: 12/10/1980

Part A notification date: 03/01/1981

Land Disposal:

Receives offsite waste:

Incinerator:

Storer:

Treatment facility:

Transporter:

Contact Name: HARVEY SCHWARTZ

Source Type: Part A

Contact Phone: 718-292-4320

Contact Info Date: 03/01/1981

Contact Name: HARVEY SCHWARTZ

Source Type: Notification

Contact Phone: 718-292-4320

Contact Info Date: 12/10/1980

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
F001	Spent halogenated solvents used in degreasing	501	GALLONS	TSD	1982		



HAZARDOUS MATERIAL SPILLS INTRODUCTION

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

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

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

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

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

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

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

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

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

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



NO ACTIVE TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS



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

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

Map Identification Number 37



UNDERGROUND TANK

234 EAST 149TH ST

BRONX, NY

Spill Number: 1502628

Close Date:

TT-Id: 520A-0308-815

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1701 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Tank Tester

Caller Name:

DEC Investigator: vszhune

Spiller: ANGELO - LINCOLN HOSPITAL

Notifier Name:

Caller Agency:

Contact for more spill info: RICKY ROUFF

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (917) 593-2154

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
06/09/2015		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

50000 gallon tank

DEC Investigator Remarks:

6/9/2015 – Feng – Duty Desk. Left message to Ricky Rouff (917-593-2154) and Angelo (917-741-9345).

6/16/2015 – Feng – Left a message to John Healy (718-579-5680)

08/28/15-Hiralkumar Patel. case transferred as part of ongoing investigation under spill #: 0204573.

DEC Hansley sent TTF letter on 06/16/15, but no response yet.

alternate address: 212–268 East 149th Street, 415 Morris Ave, 419–541 Morris Ave, 2824 Park Ave, 201–219 East 146th Street, 410–448 Canal Place, 229–245 East 144th Street

PBS #: 2–327727. as per PBS record, the site has/had following tanks: – four (4) 50,000 gal #2 oil USTs, in–service, installed in Sep. 1970 – two (2) 10,000 gal diesel USTs, in–service, installed in Sep. 1970 – one (1) 100 gal diesel AST in contact with impervious barrier, in–service, installed in Sep. 1970 – one (1) 275 gal diesel AST in contact with impervious barrier, in–service, installed in Oct. 2009 – one (1) 100 gal diesel AST on legs, removed in Nov. 2009

PBS registration expired on 08/28/2012. -----

other spills: 9208811, 9310375, 9515003, 0204573, 0313236, 0912680, 0912687, 1206812

spill #: 9208811 was reported on 10/30/1992 due to 3 gal #2 oil spill. case closed. spill #: 9310375 was reported on 11/26/1993 as 30 gal #6 oil spilled into sewer due to tank overfill. case closed. spill #: 9515003 was reported on 02/22/1996 as 30 gal #6 oil spilled due to truck malfunction. case closed. spill #: 0204573 was reported on 07/31/2002 due to findings of soil contamination. case still open. spill #: 0313236 was reported on 03/02/2004 as 50,000 gal #2 oil tank (tank # 4) failed a tightness test. tank was repaired and tested tight. case closed. spill #: 0912680 was reported on 03/05/2010 as 25 gal diesel spilled onto parking lot and storm drain due to overfill. case closed and referred to spill #: 0912687. spill #: 0912687 was reported on 03/05/2010 due to diesel spill onto parking lot and storm drain. case closed. spill #: 1206812 was reported on 10/10/2012 as 10,000 gal diesel tank (tank # 6) failed a tightness test due to loose gasket. case closed.

Lincoln Hospital 234 E 149th Street Bronx, NY 10451 Attn.: Patrick Hallahan Chief Engineer Ph. (718) 579–5680 (O) email: patrick.hallahan@nychhc.org

NYC Health & Hospitals Corp. 125 Worth Street New York, NY 10013 Attn.: Ramanathan Raju Ph. (212) 788–3321

12/04/15–Hiralkumar Patel. received letter from Leonard Balgobin (718–579–5071) from NYCHHC. he mentioned that Woodard and Curran has been hired to assist in complying with PBS requirements.

06/09/16–Hiralkumar Patel. 3:48 PM:– left message for Mr. Hallahan. 3:59 PM:– sent email to Mr. Hallahan including copy of letter dated 06/16/15. asked him to submit required documents immediately.

10/05/16–Hiralkumar Patel. after discussing with DEC Vought and DEC Zhune, case assigned to DEC Zhune.

PBS expired.

refer to spill #: 0204573 also.


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

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

Map Identification Number 38

COMMERCIAL

100 EAST 149TH ST

BRONX, NY

Spill Number: 1810498
Close Date:

TT-Id: 520A-0349-207

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)

Approximate distance from property: 728 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Other

Caller Name:

DEC Investigator: HRPATEL

Spiller: PROPERTY OWNER

Notifier Name:

Caller Agency:

Contact for more spill info: JAMES MULVEY

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (631) 727-2700

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
01/03/2019		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM		PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

there was a gas station before in this property. The new owner just purchase the property. The cleanup is pending

DEC Investigator Remarks:

1/15/19 – Sekhon

James Mulvey – Eastern Environmental – 631 – 727 – 2700 (office) 631 –745–7581 (cell) jmulvey@easternenviro.com

Notifier reported that a spill was discovered during a Phase II investigation, the property had a Phase I completed by another

company, and it determined that the property was at one time a gas station. Eastern conducted a GPR survey and installed 15 soil boring to 15' below grade, all the soils had a fuel oil/gasoline odor. Five samples were selected from the 10'–15' range to be analyzed, all the soil samples had levels above the NYSDEC protection of groundwater and residential. Case transferred to DEC Kumar.

01/17/19–Hiralkumar Patel. alternate address: none

no PBS or other spills found.

as per NYC DOB record, the site has environmental restrictions for 'hazmat/air'.

10:15 AM:– sent email to Jim and asked him to submit Phase I and Phase II reports for review. also asked him to provide property owner's contact info and site's redevelopment plans, if any.

02/11/19–Hiralkumar Patel. received email from OER Shaminder (at 11:20 AM on 02/08/19) including site map and sample result summary table. as per site map, total of fifteen (15) bore holes were installed at the site. sample result summary table includes result of four soil samples collected from 10–15 ft bg from borings SB–1, SB–5, SB–8 and SB–11. contamination was found in SB–5, SB–8 and SB–11.

12:07 PM:– sent email to OER Shaminder and asked him for copy of Phase I/Phase II reports for review.

downloaded available reports from OER EPIC database.

summary of Phase I dated 04/05/2017: – in 2017, the site consisted a small 1–story commercial building and two (2) storage containers – subject property was occupied by a filling station during the years 1935–1989 – Sanborn maps for the years 1935–1946 indicates there are six (6) 550 gal gasoline tanks buried at the site – during site inspection, twelve (12) gasoline vents were noted going through the rear wall of the original building – in 2017, there were three (3) small active hydraulic lifts on site. no hydraulic oil staining or pooling was noted at the time of inspection

summary of Phase II dated 05/11/2017: – site contains a vehicle tire repair and sales operation – site was historically used as a gasoline service station – GPR survey was conducted in limited area as much of the site (approx. 3/4 of the site) is covered by stacks of tires and tire racks – GPR survey was unable to identify any subsurface anomalies resembling USTs – site is approx. 4,100 sq. ft. in size and current improvements consists of a single–story approx. 200 sq. ft. building used as a sales office – exterior of the site is entirely paved – no physical evidence of USTs or former gasoline dispensing equipment at the site – site elevation is approx. 20 ft above mean sea level – depth to the water table was measured at 14 ft bg – a thick layer of fill material is present beneath the site and was encountered to a depth of at least 20 ft bg in one boring – installed four soil borings (B1 through B4) – borings B1 through B3 were installed at the northwest section of the site which was the only open space within the site – boring B4 was installed to the south, after removing several rows of stacked tires – boring B1 was installed to a depth of 11 ft bg where concrete refusal encountered; gasoline odor was detected at the end of the boring – borings B2 and B3 were installed to a depth of 7 ft bg where concrete refusal encountered; no evidence of contamination was noted in these borings – it appears that B1 through B3 encountered a concrete pad refusal at depth that may represent the base of a former gasoline UST area – boring B4 was completed to a depth of 20 ft bg; strong gasoline odors and staining were noted at 15 ft bg; no discoloration or odors at 20 ft bg – grab soil samples were collected from borings B1 (11 ft bg), B2 (7 ft bg) and B4 (12 ft bg) – a temporary 1–inch well was installed at B4 – little or no physical evidence of contamination was noted in soil in

B1 through B3 – significant field evidence of petroleum contamination was encountered at the water table in B4 – PID readings ranges from 0.7 ppm at 10 ft bg to over 300 ppm at 14–15 ft bg in B4 – no free-phase product was encountered at B4 which is the only boring that was deep enough to intersect the water table – reviewed subsurface investigation data for adjoining redevelopment site to the east and noted: 1) low level of gasoline-related VOCs in groundwater sample collected near the east border of the subject site, and 2) no gasoline-related VOCs in other groundwater samples collected from remaining areas of the adjoining property – no contamination was noted in soil samples – found heavy contamination in groundwater sample

groundwater analyticals (in ppb):

-----B4GW Benzene-----2,000 Toluene-----180 Ethylbenzene-----980
Xylene-----1,700 1,2,4-Trimethylbenzene--1,100 1,3,5-Trimethylbenzene----380

summary of Phase II dated 01/11/2019: – GPR was conducted to encompass the entire property (excluding the building footprint and the sidewalk) – findings of GPR survey revealed one anomaly indicative of USTs or former UST area – GPR picked up the old pipes associated with former active tank vault area – installed fifteen (15) soil borings – majority of soil borings were advanced from grade to 15 ft bg – evidence of petroleum impacted soils identified at all the sample locations, the highest readings were at the 10–15 ft sample interval – groundwater was encountered at approx. 15 ft bg – soil samples were submitted for analysis from 10–15 ft interval from borings SB-1, SB-5, SB-8 and SB-11 – no groundwater samples were collected

soil analyticals (in ppb):

-----SB-8-----SB-11

10–15 ft

10–15 ft Benzene-----1,200-----300 Toluene-----1,400-----300
Ethylbenzene-----1,900-----6,800 Xylene-----3,900-----4,100
1,2,4-Trimethylbenzene----1,500-----5,100

Phase II report from Eastern Env. (dated 01/11/19) is missing detailed logs for all soil borings.

100 E 149, LLC.

****property owner**** 5 East 22nd Street New York, NY 10010 Attn.: Tony Boemi Ph. (347) 464-2142

02/19/19–Hiralkumar Patel. 9:13 AM:– sent email to OER Shaminder. asked him for copy of detailed logs for all fifteen soil borings installed by Eastern Env. also asked for an investigation work plan for complete delineation of soil and groundwater contamination. email copied to OER Samantha.

05/02/19–Hiralkumar Patel. 1:45 PM:– sent email to OER Shaminder inquiring updates. email copied to OER Samantha. 2:59 PM:– received email from OER Samantha including link to EPIC for boring logs/RIWP.

logs for borings SB-4 and SB-5 are identical. highest PID reading of 122 ppm was recorded at 10 ft depth in boring SB-5. obvious/slight odors noted in all fifteen borings. there are no notes of findings of groundwater in any borings.

12/04/19–Hiralkumar Patel. 1:55 PM:– sent email to OER Shaminder inquiring updates. email copied to OER Samantha.

12/20/19–Hiralkumar Patel. 9:00 AM:– received email from James. he mentioned that a revised RIR and RAP have been uploaded to OER EPIC database.

reviewed RIR dated Oct. 2019 which includes details of previously reviewed Phase I, focused subsurface investigation result from Apr. 2017 and Phase II report for investigation conducted in Jan. 2019. RIR also included details about result of soil/groundwater/soil–vapor investigation conducted in Mar. 2019:

- GPR survey identified an anomaly at the south–central portion of the site that appeared to be an area of UST – four (4) soil borings (SB1 through SB4) were installed – two soil samples were collected from each boring: from 0–2 ft and at 10 ft bg – only xylene was noted (4,900 ppb) in soil sample at 10 ft bg in SB–2

- installed four (4) 2–in. wells (MW–1 through MW–4) at four boreholes – wells were installed with 10 ft of screen to a depth of approx. 5 ft below water table – groundwater was noted between 9.6 ft bg in MW–4 and 14.1 ft bg in MW–3 – due to 4.5 ft difference in depth to water in monitoring wells, groundwater flow direction was not calculated

- noted minor contamination in groundwater samples (less than 200 ppb of total BTEX)

- collected four (4) soil–vapor samples (VP–1 through VP–4) – a length of food–grade polyethylene tubing was attached to each summa canister and placed in each of the four monitoring wells with the withdrawal end set at a depth of approx. 2 ft above the water table

- chloroform was noted in soil–vapor samples (max. 370 ug/m3 in VP–2)

RIR is missing logs for four wells installed in Mar. 2019.

12/30/19–Hiralkumar Patel. 11:28 AM:– received email from OER Shaminder including summary of investigation findings and summary of remedial action which includes:

- establishment of Track 4 Site–Specific Soil Cleanup Objectives (SCOs) – collection of groundwater samples from existing monitoring wells MW–1, MW–2, MW–3, and MW–4 for analysis to determine current concentrations of groundwater contaminants – determination of site–specific groundwater flow direction – excavation of the entire footprint of the site to a depth of approx. 14 ft bg – over excavation of petroleum contaminated soil/fill within the UST area to remove grossly contaminated soils to the extent feasible – collection/analysis of 25 endpoint samples – collection/analysis of LNAPL/DNAPL, if found – installation of 20 mil vapor barrier beneath the building slab and outside of sub–grade foundation sidewalls – soil–vapor intrusion investigation following site redevelopment to determine need for SSDS (active or passive)

- installation of four (4) perimeter groundwater monitoring wells and collection/analysis of post–remediation quarterly groundwater samples for at least two years

Shaminder mentioned that there is no development plans at this time, but developer wants to remediate spill and entire property for future development. since there are no development plans, entire property will be backfilled with clean soil.

12/31/19–Hiralkumar Patel. 10:53 AM:– sent email to James and asked him to submit missing logs for four wells installed in Mar. 2019. email copied to OER Shaminder and OER Samantha.

01/06/20–Hiralkumar Patel. 10:58 AM:– received email from James including logs for monitoring wells installed in Mar. 2019. as per the logs, four 2-in wells (MW–1 through MW–4) were installed to a depth of 15 ft bg (except well MW–4 which was installed to 14 ft bg) with 5 ft of screen at the bottom (not 10 ft screen as mentioned in RIR dated Oct. 2019). groundwater was noted within well screen area.

01/08/20–Hiralkumar Patel. 9:42 AM:– spoke with OER Shaminder. informed him that based on available groundwater sample results and proposed site excavation to groundwater table, there is no need to resample existing four wells. also, need for perimeter wells for future groundwater monitoring and soil–vapor investigation will be discussed after review of result of endpoint soil/groundwater samples. 9:56 AM:– sent email to OER Shaminder. informed him that the Department agrees with the proposed soil excavation to a depth of water table and collection/analysis of endpoint soil/groundwater samples. also informed that need for future soil–vapor investigation and perimeter wells for groundwater monitoring will be discussed based on review of endpoint soil/groundwater sample results. asked him to provide schedule for site excavation and submission of endpoint sample results. email copied to OER Samantha and DOH Nathan.

DEC requires: 1) complete delineation of soil and groundwater contamination, 2) remediation

e–designation.

site map on H drive.

Map Identification Number 39



PHASE 2 – OER

110 EAST 149TH STREET

BRONX, NY

Spill Number: 1407530

Close Date:

TT–Id: 520A–0303–263

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 792 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 110 E 149TH ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name:

DEC Investigator: RHLIN

Spiller: RIVER AVE MANAGEMENT

Notifier Name:

Caller Agency:

Contact for more spill info: STEVEN FRANK

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (718) 321–3136 ext. 2
ext: 236

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/21/2014		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

CALLER ADVISED RECEIVED PHASE 2 RESULTS SHOWING UNKNOWN PETROLEUM IN THE SOIL

DEC Investigator Remarks:

10/21/2014 – Feng – Duty Desk Officer. Talked to Steven Frank of LIRO Engineering (718-321-3136 x236, franks@liro.com). This is an E-Designation site and in the planning stage to develop into affordable housing and a hotel. The site owner is currently working with NYCOER. The NYCOER has approved the RIWP and a Phase 2 has been done. A total of 5 soil borings have been installed onsite, i.e. in 2 corners and soil and groundwater were sampled. Petroleum contamination has been identified at the boarder line near next door property. Mainly BTEX with highest of xylenes were found in the soil samples. According to the Phase 1 conducted by previous consultant, the site has been used for warehouse, lumber yard, and heating oil tank in the other portion of the site, but the soil boring results did not indicate petroleum impacts in this area. The above mentioned Phase 1 did indicate that the next door property 100 East 149th Street was a filling station and they suspected it is the source of the petroleum impact at 110 East 149th Street. The demolish of the onsite warehouse might occur in Spring 2015. There is no schedule for the development. Next, they will submit the investigation report to OER and DEC.

3/30/2016 ~ Feng – This spill is transferred from J. Feng to J. Vought as per J. Vought.

12/19/2017 – Austin – Project transferred from Vought to Lakhani – end

07/23/18 – Lakhani OER Colin Sullivan emailed a summary of the spill. The spill was opened in October 2014 during the remedial investigation when petroleum compounds were detected at elevated concentrations in MW-2 and MW-3. Results are as follow: benzene 140 ug/L(MW-2), xylene 79.6 ug/L(MW-2), toluene 9.5 ug/L(MW-2), benzene 52 ug/L(MW-3), ethylbenzene 5.3 ug/L(MW-3), isopropylbenzene 110 ug/L(MW-3), xylene 29.1 ug/L(MW-3), toluene 7.4 ug/L(MW-3). The site was initially composed of one lot, Lot 25. This lot has since been divided into three lots since the development plan involved constructing three new buildings: Block 2351, Lot 25, Lot 50 and Lot 40. MW-3 is on Lot 25 and MW-2 is on Lot 40. Currently the buildings on lots 25 and 50 have been constructed and TCOs have been issued for both buildings. These buildings are now seeking to obtain certificate of occupancy.

RAR (Impact Environmental, 06/20/18) – Depth to groundwater at the site ranged from approx. 9'bg in the southern portion to 18.5'bg in the northern portion of the site. Apparent groundwater flow was generally to the northwest, west, and southwest. For Lot 50, excavated and removed soil/fill for development purposes within the footprint of the site building to 2'bg in the northeast slab-on-grade corner, 1'bg in the southeastern slab-on-grade corner, 10.5'bg in the eastern-central cellar area along Gerard Ave, 5'bg along the slab-on-grade northern side of the building, and 5.5'bg in the cellar areas parallel to the courtyard/parking area. Additionally, installation of the building's elevator pit required excavation down to 15'bg. No USTs or new petroleum spills were found. For Lot 25, pile caps and grade beams were excavated to approx. 4.5'bg for the majority of the slab-on-grade construction. The detention tank structure and elevator pit were excavated to 6'bg. For Lot 25, Pile caps and grade beams were excavated to approximately 4.5'bg for the majority of the slab on-grade construction with the exception of the detention tank structure and elevator pit, which were excavated to approximately 6'bg.

07/24/18 – Lakhani The development team's plan is to start construction on Lot 40 in about 6 months and finish remedial activities 6 months after that.

07/26/18 – Lakhani Emailed NYSDOH Walz regarding the soil vapor at the site.

07/27/18 – Lakhani NYSDOH Walz has no concerns with Building B/C because they have sub-grade parking garages. However, soil vapor and indoor air data will have to be collected once the hotel is finished and within the heating season to determine whether full activation of these SSDS systems will be necessary. RAWP, indicates that all the buildings will have an SSDS that is semi-active (wind turbine on top of pipe). However, the RAR indicates that no SSDS was installed. Engineering controls at the site include a vapor barrier and composite cover.

08/10/18 – Lakhani Building plans were changed at the last minute (during pre construction meeting) from sub grade parking to parking at grade. A cellar was never proposed beneath building A. Previously, sub grade parking was proposed beneath court yard between two buildings. Future Hotel Building (orange area) will include SSDS. Plans have changed from hotel to commercial office.

08/24/18 – Lakhani Conference call with Colin Sullivan, Nathan Walz, and Shaminder Chawla. It was decided that an SVI study will be conducted at Building B/C during the heating season. It will be proposed in the next RAWP since the site is being developed under the Affordable Housing Project. The commercial office will be implementing an active SSDS.

10/18/18 – Lakhani DEP Collin Sullivan informed that owner requested to perform indoor air sampling rather than the initially agreed upon full SVI study. The owner believes that an SVI study would be intrusive of the new buildings and would undermine the integrity of the vapor barrier. While this is a legitimate concern because the owner rather not puncture the vapor barrier after it was installed, but without soil vapor data the potential for future issues is unknown unless a long-term air monitoring program is implemented.

08/05/19 – Lakhani – Spill being transferred to Lin.

Map Identification Number 40**COMMERCIAL PROPRTY**

445 GERARD AVE

BRONX, NY

Spill Number: 1705596**Close Date:**

TT-Id: 520A-0335-887

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 1161 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name:

DEC Investigator: vszhune

Spiller: 445 GERARD AVE LLC

Notifier Name:

Caller Agency:

Contact for more spill info: LANGAN ENG

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
09/06/2017		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM		PETROLEUM	0	GALLONS	0	GALLONS	SOIL, GROUNDWATER

Caller Remarks:

contamination based on field observation

DEC Investigator Remarks:

9/7/17-Zhune called Michell from Langan Engineering. COuld not get her . Left a message

Map Identification Number 41



SOIL

414 GERARD AVE

BRONX, NY

Spill Number: 1705442

Close Date:

TT-Id: 520A-0335-856

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)

Approximate distance from property: 1256 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name:

DEC Investigator: HSSEKHON

Spiller: MICHELLE - 125 EAST ST HOLDINGS

Notifier Name:

Caller Agency:

Contact for more spill info: MICHELLE

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 479-5429

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
08/31/2017		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL		OTHER	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

waiting on tests clean up is pending

DEC Investigator Remarks:

8/31/17 TJD Left voicemail message for Michelle at Langan Engineering requesting callback with additional information.

10/26/18 – Austin – Spill transferred from Tim DeMeo to Harman Sekhon – end

Map Identification Number 42



PARKING GARAGE

173 E 156TH STREET
AKA 751 CONCOURSE VILLAGE WEST

BRONX, NY 10451

Spill Number: 0551708

Close Date:

TT-Id: 520A-0013-039

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1736 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Local Agency

Caller Name: KOON TANG

DEC Investigator: JAKOLLEE

Spiller: STUART RUBINFELD – MATEL REALTY LLC C/O PENTA Spiller Phone:

Notifier Name: LEE GUTERMAN

Notifier Phone: (718) 472-8502

Caller Agency: DEC

Caller Phone: (718) 482-4928

Contact for more spill info: LEE GUTERMAN

Contact Person Phone: (718) 472-8502

SPILL LIEN INFORMATION

NOTE: Spill lien location may differ from the reported spill location.

OSC Spill Number: 05-51708 Complete: No Released: No

Tax Map Id: 2-02458-0132

PIN	Amount of lien	Property Owner & Address	Date lien request rec'd from OAG	Date lien signed by Admin.	Date proof of service rec'd	Date sent to OAG	Date release requested by OAG	Date release signed by Admin.	Date release sent to OAG
03856	\$136914.95	Penta One Realty 751 Concourse VLG W, Bronx, 10451	07/16/2014	08/12/2014					

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/01/2005		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL, GROUNDWATER

Caller Remarks:

site assessment of the property discovered vocs and svocs in soil and groundwater.

DEC Investigator Remarks:

3/17/06 – Authorized by Assistant Director to use the Spill Fund to investigate and remediate the off-site BTEX and MGP-related petroleum contamination for this BCP Site. The BCP Site at 672 Concourse Village West will be developed by the NYC SCA for 4 new schools. Petroleum-related contamination found at the Site will be cleaned up by SCA under the BCA. Off-site contamination is not the responsibility of SCA since they are the Volunteer for this Site.

Due to performance problems with the lowest bid contractor, National Environmental, the task to investigate and remediate this off-site plume has been issued to the 2nd lowest bid contractor, EnviroTrac. Authorization has been given by the Section Chief of the Contract Section in Central Office on 3/17/06.

Regional staff are working with Central Office Contract Section to resolve the performance problems with the lowest bid contractor. – KST

3/10/06: Meeting with NYSDEC and Dave Lorthioir of EnviroTrac. EnviroTrac will provide a workplan for additional delineation of the off site BTEX contamination. Notification letters were sent out to 173 and 180 E 156th Street properties that investigations will be conducted on their properties.

***** ENVIROTRAC WILL CONTINUE TO DO
GAUGING, SAMPLING, COLLECTING AND OTHER UNTIL McEnvironmental TAKES OVER

3/15/06: Received a letter from North Lex Realty stating that they will fully cooperate with the investigation.

3/16/06: Received phone call from Stewart Rubinfeld (212-674-0950 x105, fax 212-598-9821) of Penta One Realty. He was inquiring about grounds of his status as Potential Responsible Party. He will fax his lease agreement that states that the historic use of the property is only as a garage and auto repair (it is currently a garage). He has owned the property for 21 years and leases the property.

3/31/06: Sent a notification letter to the operator of 180 E 156th Street, A&Z Business Corp. Received an email from EnviroTrac suggesting Saturday work hours, since the garages are full during the week.

4/3/06: Spoke with Abi of A&Z Business Corp. (phone 212-831-6905, email comp3@aol.com). He requested any work on the property to be done on a Saturday.

4/7/06: Left phone message for Stu Rubinfeld notifying him that I will be sending out a P-site notification letter.

4/10/06: Stu Rubinfeld wants us to cc the P site notification letter to:

John W. Clarke Environmental Attorney Harris Beach 805 3rd Avenue New York, NY 10022

4/11/06: Emailed the factsheet to Mike McCahern of MC Environmental (mjm.mce@verizon.net)

4/13/06: Approved workplan for off-site investigation. Ground penetrating radar will be used to identify the locations of the USTs. Proposed monitoring well locations will then be submitted to the Department for review.

4/14/06: GPR tentatively scheduled for Wednesday 4/19/06.

4/18/06: Received invoice for March work.

4/20/06: Received email from David Lorthior. GPR was performed on 4/19 at 180 E. 156th Street and the results of the survey were negative. No evidence of USTs were observed. GPR was not performed at 173 E. 156th Street because access was not granted, contact could not be made with the owner.

4/20/06: Left phone message for Stu Rubinfeld. His voice mail indicated that he will be out of the office until Monday.

4/25/06: Access letter sent to Moshe Fleischman (the site operator) with a description of GPR, well installation, surveying and sampling activities that will be performed. Letter addressed to Moshe Fleischmann, fax number: (718) 676-2726.

5/5/06: Spoke to Dave Lorthiour. Moshe Fleischman (the site operator) received that access letter and passed it on to the owner. The owner stated that he would not allow access to his property. Called Stu Rubinfeld to see if he received the letter, and to request access. A phone message was left.

5/11/06: Stew Rubinfeld's consultant, Michael McEachern of MC Environmental viewed the BCP document repository. All future correspondence should be cc'd to Michael McEachern.

5/17/06: A public meeting occurred on May 16, 2006 at IS 151. Noise affecting students at nearby schools was raised as a concern. The April invoice for EnviroTrac PIN job was processed.

5/18/06: Received letter from Joel Sachs, lawyer for Stu Rubinfeld. An access agreement is required. NYSDEC attorney John Urda is drafting an access agreement.

5/22/06: Letter from DEC John Urda regarding site access mailed May 19, 2006 to Joel Sachs, attorney for property owner Stu Rubinfeld.

5/25/06: Left a voice message with Joel Sachs to discuss access agreement.

6/19/06: Joel Sacks submitted a draft access agreement to the NYSDEC.

6/30/06: Received a cc of an access agreement sent to EnviroTrac.

7/12/06: EnviroTrac will sign the access agreement. GPR scheduled for 7/18/06.

7/19/06: GPR identified location of tankfield. Well installation scheduled 7/29/06.

7/29/06: Witnessed Geoprobe sampling at 173 E 156th Street.

7/31/06: Received email from David Lorthior: We were able to install four soil borings and one monitoring well on Saturday (at 173 E 156th Street). Two soil samples are being submitted to the laboratory. I will contact you with the next drilling date. I am trying to convince the owner of the parking business to let us come in on a weekday.

8/9/06: Contacted Tim Slauson of SCA for permission to sample sidewalk wells MW-18, MW-19, MW-9, MW-8, MW-20, MW-21. 718-753-5026 (phone), tslauson@nycsca.org

8/10/06: Received email from Tim Slauson of NYCSCA (718-752-5026): I have confirmed with Shaw that all wells are accessible. However, please be aware that they were unable to collect a groundwater sample from MW-19 due to shallow bedrock (well is dry). Also, you should be aware that Langan has some smaller diameter piezometers near MW-20 and MW-21 that are not Shaw's wells. All of Shaw's wells have an 8" diameter manhole cover. Please feel free to call me with any questions. Also, we would be interested in being informed of DEC's findings and evaluation of this sampling effort, if possible.

8/29/06: Received email from David Lorthior: We are sampling the existing wells along Concourse Village West and the new monitoring well inside 173 CVW today. The sample for the new well will be rushed with results for Monday, 9/11. We are scheduled to drill and install the two remaining wells inside the building on Wed. 9/13. The exact locations of the wells inside the building will depend partly on the laboratory results of the new well. Notifications have been sent to the property owner and I have not received any denials yet. MC Environmental has also been notified. Regarding the other UST we identified in the parking lot north of the building (see pictures), Mike McEachern has not been able to provide us with any information regarding what this UST was used for (gasoline vs. fuel oil). Says his client has little or no records regarding this tank.

Sent Mike McEachern of MC Env an email requesting information regarding the tank in the northern part of the parking lot at 173 E 156th Street/751 CVW.

9/8/06: Received preliminary data regarding well installed in 173 E 156th garage from Mike McEachern. BTEX 22,802 ppb. Called Mike McEachern to schedule a meeting to discuss results.

9/12/06: Meeting scheduled for 9/13/2006. DEC Andersen, Tang, Urda, Stu Rubinfeld, Mike McEachern (MC Env.) and David Lorthior (EnviroTrac) expected to attend. Received data from new well, BTEX 26,650.

9/14/06: Meeting on 9/13/06 with Mike McEachern (MC Env.), Stewart Rubinfeld (owner), Dave Lorthior (EnviroTrac), NYSDEC Tang, NYSDEC Urda, and NYSDEC Andersen. A stipulation agreement will be sent to Mr. Rubinfeld's attorney (Joel Sacks). NYSDEC investigation at 180 E 156th Street is planned for Wednesday June 20th.

9/15/06: Received soil analytical data. BTEX present at concentrations below TAGM.

9/19/06: Retaining wall was destabilized during jet grouting at the adjacent BCP site. Settling of soil caused cracking of sidewalk adjacent to 180 East 156th Street. Received email from David Lorthior of EnviroTrac. Access is problematic at 180 E 156th street. Called Abi from A&Z Business Corp and spoke with the receptionist, he will return call.

10/3/06: Spoke to Ray Carrion (917-642-7205) and Tim Slauson (718-752-5026) about the sidewalk repair. The sidewalk will be repaired when the retaining wall has been fully stabilized. Followup in two weeks to get status.

10/23/06: Left message for Abi of A&Z Business Corp. (phone 212-831-6905, email comprop3@aol.com).

10/24/06: Spoke to Abi. He will allow us access to his property, on a weekend, to complete soil borings.

11/16/06: Soil boring installation is scheduled for December 2, 2006. A plan will be submitted by EnviroTrac.

11/29/06: A stipulation agreement was sent to Joel Sachs, esq. for 173 E 156th Street RP. Joel Sachs stated that the agreement was lost in the shuffle, and requested that it be resent.

11/30/06: Workplan for delineation at 180 E 156th st was approved.

12/4/06: Two wells were installed at 180 East 156th Street on December 2, 2006. Two additional two wells, and soil borings, will be installed on Saturday December 9, 2006. When delineation is completed a Remedial Action Plan will be prepared.

12/11/06: Two additional wells and soil borings were installed at 180 East 156th Street in Bronx. Visible petroleum staining was evident in the saturated zone. Received letter from EnviroTrac with summary of delineation at 180 E 156th Street. Sent tightness testing required letter to Ved Parkash (from PBS 2-236241) of 750 Grand Concourse. Tightness testing results due by January 12, 2007.000

12/13/06: Department sent a letter to Dave Lorthior indicating approval for installation of an upgradient well on 156th street, and gauging and sampling of all onsite and offsite monitoring wells.

12/18/06: Installation of upgradient well is set for Thursday, 12/28

12/21/06: Received stipulation agreement signed by Stuart Rubinfeld of PentaOne Realty, 173 East 156th Street, effective date 12/18/06.

1/2/07: Upgradient well installation on 156th st not feasible due to bedrock and refusal. Bedrock wells not required at this time. Existing wells will be gauged and sampled on January 9th. The well on Mr. Rubinfelds well will be gauged, but not sampled. Samples will be analyzed for EPA Methods 8260, 8270, including PERCs.

1/8/07: Spoke to Mike McEachern. IP will be submitted by 1/12/07, delay due to waiting for quotes from contractors.

1/15/07: Spoke to Mike McEachern. Workplan is in the mail.

1/18/07: Received laboratory data from STL.

1/26/07: Sent followup email to Mike McEachern. Workplan has not been received. Requested that an electronic copy be submitted.

1/30/07: Workplan for 751 CVW is under review by the Department. Received laboratory data from wells samples by EnviroTrac. BTEX, methylene chloride, and naphthalene present above groundwater standards.

2/1/07: Conditionally approved workplan for 751 CVW. Fuel oil UST removal and excavation, hydraulic lift removal and excavation, gasoline tank field inspection and abandonment (if necessary), groundwater delineation. Three to four wells will be installed: two along eastern portion of the property, one upgradient of MW22, one near MW19 if it is dry. All soil and gw samples will include analysis for 8260 & 8270 including cVOCs and MTBE.

2/2/07: Received email from Mike McEachern: I don't believe that the conditions in your letter should pose a problem, although my client has asked me some clarification questions on which I may be getting back to you. The upgradient well is something that we considered, but we may not be able to reach groundwater before we hit the top of bedrock which slopes up to the west. You can see bedrock outcrops in the park along Grand Concourse. I think that this is why well MW-19 was dry. It remained dry when I was at the site with Envirotrac for sampling. I don't think that it would be productive to install a bedrock well, since all of the other monitoring wells are in the overburden. I will review the well and boring information from Shaw, and see where we would stand the best chance of getting an upgradient well.

2/6/07: Emailed Dave Lorthior to follow-up on status of report preparation.

2/14/07: Received email from Dave Lorthior: The report is proceeding, but slowly. We did not get the lab results until the last week of January and there have been some issues with them (such as MTBE is not listed on the results). Hope to have this all straightened out and the report to you by late next week.

3/5/07: Emailed Dave Lorthior to followup on report preparation.

3/7/07: Spoke to Mike McEachern. Tank work and drilling scheduled for week of 4/2 – 4/10.

3/20/07: Emailed Dave Lorthior to followup on report preparation.

3/28/07: Received email from Dave Lorthior indicating the report is being assembled.

4/2/07: Received phone message from Mike McEachern. Tank work scheduled for wednesday 4/4/07.

4/4/07: Site visit to Stip site. Tanks could not be located.

4/11/07: A geophysical survey at the stip site is scheduled for 4/17/07.

The community filed a lawsuit in Bronx Supreme Court alleging the School Construction Authority did not meet its obligations under the State Environmental Quality Review Act in cleaning up this site. This news was reported in the Daily News, the Metro, NY1 and Channel 4. Discussed the overdue investigation report for the PIN site, and the possibility of installing a pump and treat system as an interim remedial method with DEC Brevdo. A conference call with EnviroTrac will be scheduled.

Received email from Dave Lorthior. The report has been mailed. It has not yet been received.

4/17/07: Received report from EnviroTrac. Report is inconclusive as to the source of impact in the parking lot south of 156th st. There is no VOC impact in the vadose zone. VOC and SVOC impact and staining in the groundwater. Plume stretches N-S while groundwater flows E. cVOCs above TAGM in the groundwater.

Spoke to Mike McEachern. A geophysical survey was performed on 4/14/07. Tanks were not located inside the building. Extensive piping. Geoprobe will be done around piping. Exterior tank will be excavated. Additional monitoring wells will be installed. Soil from excavation was ND, although there was an odor. He expressed interest in coordinating the next sampling date with the monitoring of wells at the existing schools.

4/24/07: Sent Stuart Rubinfeld/cc Mike McEachern a letter confirming that MW19 must be replaced if it is dry.

4/30/07: Received letter and FOIL request from Mike McEachern. Laboratory data from exploratory tank excavation. BTEX/MTBE were ND despite gasoline odor in soil.

5/24/07: Spoke to Dave Lorthior, site will be sampled quarterly. Sent email to Mike McEachern to followup on site status.

5/25/07: Received email from Mike McEachern: I recently received a proposal to drill three monitoring wells (outside) and ten Geoprobe borings inside. We will schedule the monitoring wells as soon as I get the client's approval of the proposal and the Geoprobe would best be done after school lets out in June. The same hold for the outside tank work, which we will need to take up a good portion of the parking lot. I will get back to you next week with a better idea of schedule.

6/20/07: Emailed Mike McEachern to followup on scheduling of tank work and geoprobing.

6/22/07: Received email from Mike McEachern, drilling date not scheduled yet.

7/10/07: Received groundwater sampling data for PIN site. Groundwater sampled on 6/8/07. Max BTEX 6563 ppb (MW24). Max MTBE 5 (MW8).

7/26/07: Spoke to Mike McEachern. Field work not scheduled yet.

8/15/07: Left message with Mike McEachern's secretary to followup on mobilization schedule.

8/23/07: Mobilization scheduled for Monday 8/27/07.

8/29/07: Spoke to Mike McEachern. The gasoline tank in the parking lot was removed. Soil samples were collected, none had a PID. The tank will be registered. A new well was installed in the building. A well was attempted to be installed in the sidewalk on 156th Street. Bedrock was reached at 22 ft. Groundwater was not reached. Geoprobe work has not been scheduled yet. Sent email requiring sampling of SCA's well MW18 on the sidewalk.

9/11/07: Spoke to Mike McEachern. Geoprobe and hydraulic lift excavation scheduled for 9/13/07.

9/21/07: Spoke to Dave Lorthior. Wells were sampled.

10/16/07: Received groundwater monitoring data, sampled by EnviroTrac. Max BTEX MW8 12650 ppb, also high BTEX in MW23 6953 ppb, and in MW 24 9302 ppb.

10/24/07: Emailed Mike McEachern. Requested a status report be submitted with the results of recent activity at the site.

10/25/07: Received email from Mike McEachern: I recently received the last of the lab results from 751 CVW and I am preparing a status report which will go out shortly.

11/12/10 – spill re-assigned from Tibbe to Joe O'Connell.

12/19/11 – Raphael Ketani. Due to a caseload realignment, I have been given this spill and PIN case and have restarted it. The spill case was opened when VOCs and SVOCs were discovered in the soil and groundwater in 2/1/2005. The case seems to have several names: Parking Garage at 173 East 156th Street; 751 Concourse Village West; 180 East 156th Street (separate site across the street); and Motthaven SCA. The SCA plans to build 4 schools on the site.

I spoke to one former case manager, Jeff Vought. He said that the Motthaven SCA site has nothing to do with this spill case. I checked Property Shark and ACRIS for the ownership information. There is a deed dated 3/4/96. The main address is 751 Concourse Village West, 10451. The alternate address is 173 East 156th Street. The block and lot are 2458 and 132. The owner is Matel Realty LLC c/o Penta One, 303 East 6th Street, NY, 10003.

I checked the PBS registration. It is #2-610694. There is a 4,000 gal. UST with gasoline. The owner is Stuart Rubinfeld (212) 674-0950. The former DEC project manager, Mark Tibbe (315) 793-2747, is familiar with the case. I tried to contact him, but I could only leave a message. The contact person is the consultant at MC Environmental LLC. He is Michael McEachern (m-kay-her), CPG (631) 321-4500/cell (516) 242-4981.

12/20/11 – Raphael Ketani. I reviewed the 11/19/10 MC Environmental LLC RIWP and drafted a response letter for the review of the legal division.

12/21/11 – Raphael Ketani. The letter was approved and was sent out to Mr. Rubinfeld.

12/22/11 – Raphael Ketani. Today I spoke by phone with Dave Lorthioir of EnviroTrac (631) 924-3001 regarding the site. He said that EnviroTrac is still involved in the project. They sample only the wells that they have installed and MC Environmental samples only the wells that they installed. Mr. Lorthioir said that their sampling takes place quarterly and they did do EFRing last year. There was a steep slope from the garage down to the east to the SCA location. SCA partially filled in this area with unknown material and constructed a retaining wall. There is still a slope, but it is not so steep. In some places, it is estimated that there is 30 feet of fill. It is believed that the retaining wall is in the groundwater and they also found out that the SCA put in water proof walls for the school. So groundwater is following the fill due south. MW-27 and MW-28 had oil. He said that there were two sets of gasoline USTs. MC Environmental was told where they were, but didn't dig there. They dug at another location inside the building and claimed that there were no tanks. MW-22 was installed by EnviroTrac and has high groundwater contamination. A report for 2010 and a report for 2011 will be sent to the DEC soon.

1/4/12 – Raphael Ketani. I received CAP 31 for EnviroTrac. The bill is DC2002.01-54 for the period 10/31/11 to 11/27/11. The date of the invoice is 12/8/11. The work consisted of project management, project coordination, writing status reports, revising groundwater maps, data tables and other documents, and work on requested documents for DEC. I found the pay package to be

acceptable and notified Steve Karwiel by e-mail.

1/6/12 – Raphael Ketani. The Interim ISR was sent to Dennis Farrar of DER Albany.

1/11/12 – Raphael Ketani. Mr. McEachern (631) 321-4500/cell (516) 242-4981 called in response to the DEC 12/21/11 comment letter. His responses were:

1) The vent is on the side of the building and is similar to a vent pipe for a private home small oil tank. He said that he wasn't sure where it lead to, but it's outside the hatchway to the small basement. There is door inside the garage that may lead to the small basement, but they haven't found the key. I told him to get a locksmith and get the door open and see what is in the basement, or get a camera with a long probe or a small robot. Mr. McEachern said that he will look into the matter. Also, he said that a hydraulic lift with an above ground tank had been removed from the garage and 4 275 gal. ASTs. All of the work was done in 2006 and 2007. 2) He said that Sarah Carlson had been present when the old patch was excavated, but no tanks were found. There are a lot of old patches. The floor is in bad shape. 3) He will send the EDR report. 4) Mr. McEachern said that wells GW-1 and MW-18 were downgradient to the 4,000 gal. UST. So more wells do not need to be put directly downgradient to this tank. I told him that the other wells indicated in item #4 must be installed. He said that they will be. 5) He said that the SCA buildings are on stilts and they don't want wells drilled on their property. I told him that I'll hold off on this issue. 6) He agreed with this item. This is how they operate. 7) The collection system will be put on hold. 8) Mr. McEachern agreed to this item. 9) He proposed to do low flow sampling until the water parameters stabilized. I told him that this will be fine. He added that there is a hydrosleeve device that can be used for obtaining samples from slowly recovering wells. He would like to use this device and he will send me the literature. I told him to send it. He was alright with items #10 and #11.

Lastly, I asked him why MC Environmental doesn't take over all of the well sampling. He said that some time ago, Mr. Urda of DEC and his client's lawyer worked out a deal whereby EnviroTrac would be responsible for the off site wells associated with 180 East 156th Street and MC Environmental would be responsible for the on site wells. He added that his client didn't want to be responsible for the contamination that's in two of the wells at 180 East 156th Street. This is not from his client's spill. With that, the conversation ended.

Mr. McEachern sent me the web link for the HydraSleeve. It's a thin, clear, plastic tube that simply hangs in the well. It holds one liter of liquid.

1/17/12 – Raphael Ketani. Mr. Lorthioir sent me the 1/16/12 EnviroTrac 2010 Status Report. I reviewed the report. Wells MW-24 and MW-27 have had product. Well MW-24 on 4/27/10 and MW-27 on 1/29/10, 4/27/10 and 8/30/10. A total of 800 gallons of mixed liquids was veferred from these wells. The product content is estimated at about 10%. The product was fingerprinted to be gasoline. As per a prior agreement, only VOCs are tested for.

1/29/10 round groundwater sampling results: MW-8, MW-23 had high exceedences; MW-26 and MW-28 had low to moderate exceedences
4/27/10 round groundwater sampling results: MW-8, MW-22 to MW-24, MW-28 had high exceedences
8/30/10 round groundwater sampling results: MW-8, MW-22 to MW-24, MW-28 had high exceedences –this round had by far the highest contaminant concentrations of any round during 2010

EnviroTrac recommends installing additional test pits and borings at the site, investigating the basement and the fuel oil tank, installing wells along the northern boundary of the site, and investigating the utilities for product and looking for foundation cracks at the site. They would also like to contact the NYC SCA and find out whether the plume extends beyond the retaining wall.

I gave them the phone number of the SCA consultant, Drew Pardus (646) 577-8280. I approved all of their recommendations and sent an e-mail stating this.

1/18/12 – Raphael Ketani. Mr. Lorthioir contacted Mr. Pardus by e-mail. Mr. Pardus responded back that he was not the project manager, but he will pass the message along to the person in the SCA who is.

1/23/12 – Raphael Ketani. Steven Goldberg of the SCA sent me an e-mail stating that the groundwater analytical data for the school site across the street can be obtained from Sondra Martinkat of the DER brownfield program at Region 2 DEC.

1/30/12 – Raphael Ketani. I received CAP 32 for EnviroTrac. The bill is DC2002.01-55 for the period 11/28/11 to 1/1/12. The date of the invoice is 1/16/12. The work consisted of project management, writing the 2010 monitoring report, collecting data for EFRing events, editing of the monitoring report, updating CADD figures, reviewing the report, calls and e-mails to DEC. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.

1/31/12 – Raphael Ketani. A scheduled field meeting took place at the site today. In attendance were Dave Lorthioir from EnviroTrac (state contractor), his assistant, and Michael McEachern of MC Environmental. When I arrived Mr. McEachern was collecting product from MW-27 at the corner of Concourse Village West and East 156th Street. Next, we entered the parking garage. Mr. Lorthioir showed everyone around the garage. It was packed with cars. Mr. Lorthioir pointed out the fluid gauges on one column along the east side of the garage. He showed me where the fill line runs under the floor and to where the gas USTs used to be under the garage. Next, we went to the southwest corner of the site. There, we saw two very old gas dispensers that were on a small elevated platform. The piping for the dispensers was still connected, but they did not look like they had been used in a very long time. Mr. Lorthioir stated that a GPR survey had been done for the site, but no other tanks had been found. A long pipe was discovered that ran the length of the garage and which had been attached to the 4,000 gal. UST which used to be under the southeast corner of the adjacent outdoor parking lot. Next, we discussed where borings and wells should be placed. Mr. McEachern took out a map and pointed to locations where borings had previously been done. He then marked on the map where more borings and wells should be installed. I agreed with him that these looked like good locations for borings and wells. I told him to send the DEC a plan indicating where MC Environmental wanted to install them. He agreed to do this. Everyone then walked along East 156 Street. Once we were past the school campus, we could see the steel stilts that the buildings had been constructed on and the railroad tracks. It appeared that the schools were sitting on a platform which was 30 feet above the ground. Mr. McEachern said that this was because the bedrock dipped sharply to the east from Franz Sigel Park to the west of the Grand Concourse. Mr. Lorthioir commented that there was probably 30 feet of fill between the schools and the site. He pointed out that the retaining wall ran north-south under the sidewalk and consisted of a wall which was constructed of very large natural stone blocks. We talked a little more about the site and what should be done and the fact that no other tanks had been found under the site. Lastly, Mr. McEachern pulled out some photos of the partial basement where the fuel oil tank was. The tank appeared to be encased in a concrete jacket and had a gauge connected which read that the tank was empty. I asked Mr. McEachern whether any oil was seen on the floor of the basement and whether there were any oil odors. He said that there were no odors, nor any free product. Mr. Lorthioir stated that the analytes in the groundwater suggested gasoline contamination, not #2 oil contamination. I told him that the DEC agreed and I stated that we didn't see a need to pursue an investigation of the tank system. After this, Mr. McEachern stated that he will send the DEC a work plan for doing the additional borings and wells in the garage. Then the meeting broke up.

2/21/12 – Raphael Ketani. I received CAP 33 for EnviroTrac. The bill is DC2002.01-56 for the period 1/2/12 to 1/29/12. The date of the invoice is 2/13/12. The work consisted of project management and coordination, update CADD figures and file, 2010 report edits and revisions, revised 2010 report as per project manager's edits, submitted report to DEC, tabulated data and information for 2011 Status Report, update 2011 Status Report, preparation for site meeting with staff from MC Environmental, travel to and

from site, attend site meeting, gauge and sample 11 wells and collect product from one well, use of low value equipment, light duty vehicle, sonic interface probe, submersible pump, collection of fluids by AARCO and purchase of supplies. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.

2/27/12 – Raphael Ketani. Today I received the 2/23/12 Test America analytical report for the groundwater samples collected on 1/27/12. The samples collected were from MW-8, MW-9, MW-18, MW-20 to 22, MW-24 to 26, and MW-28. The samples from MW-18, 20, 21, 25 and 26 had very low results well below CP-51 standards. The rest of the samples had high total xylene and 1,2,4-trimethylbenzene hits in the thousands of ppb (with other elevated hits). In particular, MW-8 had 3500 ppb total xylenes, MW-22 had 13,000 ppb total xylenes, MW-24 had 3800 ppb total xylenes, and MW-28 had 3000 ppb total xylenes.

3/23/12 – Raphael Ketani. I received CAP 34 for EnviroTrac. The bill is DC2002.01-57 for the period 1/30/12 to 1/31/12. The invoice date is 3/9/12. The work consisted of traveling to and from the site and meeting with a representative of the DEC and the responsible party, and use of light duty vehicle. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.

3/23/12 – Raphael Ketani. I received CAP 35 for EnviroTrac. The bill is DC2002.01-58 for the period 2/1/12 to 2/26/12. The invoice date is 3/14/12. The work consisted of project management, project coordination, updating the site report, a call to the property owner's consultant, and tabulation of the lab data. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.

4/23/12 – Raphael Ketani. I received CAP 2 for TestAmerica. The bill is 46181479 for the period 1/31/12 to 2/29/12. The invoice date is 3/1/12. The work consisted of processing groundwater samples that were collected at the site. I found the pay package to be acceptable and notified Andrea Indelicato by e-mail.

4/26/12 – Raphael Ketani. I received CAP 35 for EnviroTrac. The bill is DC2002.01-59 for the period 2/27/12 to 4/1/12. The invoice date is 4/17/12. The work consisted of project coordination, working on the summary report, updating the data tables, ordering glassware, travel to and from the site and parking fees. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.

5/18/12 – Raphael Ketani. I was contacted by e-mail by Michael Sherwood, Senior Project Manager, TRC Solutions, 1430 Broadway, 10th Floor, New York, NY 10018, (212) 221-7822 x105, MSherwood@trcsolutions.com. He wanted to know what was the status of the site. He said that TRC attends community meetings and they always want to know whether the contaminated groundwater from under the garage is being addressed. The parents are concerned that the contamination is going under the schools. I explained to him that only groundwater monitoring and sampling were taking place. A plan to install more wells was being written by MC Environmental. I asked him what types of analytes TRC was seeing in their wells within the school property. He said that there was some PCE, but nothing much else as the engineering controls were keeping the contaminated groundwater from migrating below the schools. I told him Sondra Martinkat from our office had sent me the Shaw Environmental March 2012 Semi-Annual Groundwater Monitoring Report for the Mott Haven schools site. He had no comment. With that, the conversation ended.

I reviewed the Mott Haven schools site March 2012 Semi-Annual report. Well MW-24 had 14 ppb of PCE. There was a low benzene hit in another well, but all of the other results were non-detect. Groundwater flow was to the south across the site.

Next, I contacted Dave Lorthioir of EnviroTrac (631) 924-3001. I asked him whether he had heard from Michael McEachern of MC Environmental (631) 321-4500/cell (516) 242-4981 regarding the boring and well work plan. He said that he hadn't.

I contacted Mr. McEachern (m-kay-her-n) regarding submission of the work plan. He said that he had sent it in February 2012. I told him that I had never received it. He said that he had never received a response e-mail from me stating I had received the plan. Nor had he received an e-mail indicating that the e-mail had been kicked back. I told him that there may be a server filtering problem on my end. I asked him to send the plan as a hard copy and I will take a look at it. Mr. McEachern said that he will do this.

The owner is: Stuart Rubinfeld, Matel Realty LLC c/o Penta One, 303 East 6th Street, NY, 10003.

5/29/12 – Raphael Ketani. I received CAP 37 for EnviroTrac. The bill is DC2002.01–60 for the period 4/2/12 to 4/29/12. The invoice date is 5/15/12. The work consisted of project coordination and management, working on the annual report and report revisions, reviewing the lab data, data tabulation, working on the gradient maps, and working on the figures and tables. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.

6/20/12 – Raphael Ketani. I received CAP 38 for EnviroTrac. The bill is DC2002.01–61 for the period 4/30/12 to 5/27/12. The invoice date is 6/11/12. The work consisted of project coordination and management, working on the draft 2011 annual report and data updating, finalizing the report and outside report review. There was an invoice included from AARCO for contaminated water collection in February 2012. I asked Mr. Lorthioir about the very late invoice. He said that they always receive very late invoices from AARCO. I saw a stamped date by EnviroTrac indicating that they had received the invoice on May 9, 2012. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.

6/21/12 – Raphael Ketani. I started my review of the MC Environmental, LLC Remedial Investigation Work Plan dated March 2012. Staff from Penta One Realty entered the boiler room through the outside manway doors on 1/20/12. The boiler room is at the northeast corner of the building and near where the 4,000 gal. UST used to be. They discovered a 2,000 gal. AST that was empty and didn't appear to have leaked. They also saw other product management equipment that was associated with the tank. There were no signs of leaks in the boiler room.

Product had been seen in well MW–27. VEFRing took place until 10/20/10 as the product thickness was less than 0.3 feet. On 12/10/10, the product thickness was 0.08 feet. A product skimmer was then installed in the well on 3/15/11. MW–22 and MW–28 continued to have groundwater with BTEX. MW–22 continued to have high concentrations.

Penta Realty will monitor wells MW–9, 18, 22, 27, and 28, and GW–1 and GW–2. The groundwater sampling will be quarterly. Penta Realty will install wells within the garage footprint. Three (3) wells are also planned along the east side of Concourse Village West. They will use a low flow sampler to collect the groundwater samples.

I determined that the Remedial Investigation Work Plan was deficient and composed a draft letter with the following comments:

- 1) Despite the use of a low flow device to collect groundwater samples, three volumes of groundwater must be purged from each well before sampling;
- 2) Groundwater sampling should take place no sooner than 30 days after well development;
- 3) Wells must be installed at the locations depicted on the attachment figure;
- 4) Soil borings must be performed in the area designated by the Department which is depicted on the attached figure. Where

borings cannot be performed due to structural concerns, then test pits must be excavated;

5) The tank system in the basement must be tightness tested to see whether any part of the system had lost integrity in the past;

6) As there is an unregistered 2,000 gal. AST on site, Penta One Realty, LLC is in violation of 6NYCRR Part 612 ~ registration of petroleum storage facilities. This tank must be added to PBS #2-610694 and its status indicated. Additionally, the former 550 gal. gasoline USTs must also be registered;

I also attached a figure showing where the DEC wanted wells and borings to be performed and a copy of Mark Tibbes's 3/16/10 letter stating that they are responsible for monitoring wells both on site and across West 156th Street. MC Environmental has until July 27, 2012 to submit a revised work plan.

6/25/12 – Raphael Ketani. The letter was approved by Hassan Hussein and sent out.

The correct owner's info is: Stuart Rubinfeld, Penta One Realty, LLC, 303 East 6th Street, NY, NY, 10003, (212) 674-0950

His lawyer is: Louis Evans, Esq., Herrick, Feinstein, LLP, 2 Park Avenue, New York, NY, 10016, (212) 592-1533

Mr. Lorthoir of EnviroTrac was sent a draft of the DEC response letter regarding the MC Environmental March 2012 RIWP. He responded with an official EnviroTrac comment and suggestion letter.

Dave Yudelson (917) 295-6449 of Sive Paget & Risel called. He said that he will be the new attorney for the site. I filled him in on the case history, the problems at hand and what the DEC wanted Penta One Realty to do.

7/12/12 – Raphael Ketani. Mr. Yudelson called me today. He said that he was at the site very recently and did an initial inspection. He said that there are 3 vent pipes on the roof and he believes that they lead to 3 individual USTs which are in separate locations. He also stated that he believed there was a holding tank near the dispensers and that this tank leaked and resulted in the free product that is seen in the one onsite well. However, he did not believe that the contamination detected in the wells south of East 156th Street was from the site. Lastly, he said that Mr. McEachern was working on the work plan.

7/19/12 – Raphael Ketani. I sent an e-mail to Mr. Yudelson that the NYC SCA and their consultant, TRC, were willing to allow their on site wells (at the school across the street from the site) to be sampled as part of the investigation and monitoring. The contact at TRC is Mike Sherwood (212) 221-7822.

7/26/12 – Raphael Ketani. I was informed today by staff in DER Region 2 that the site investigation can be extended into the school property across the street. I was informed that a test pit was dug under one school (the schools stand on 20 foot tall stilts) and water with a sheen was discovered. This was right across the street from the southeast corner of the parking garage. Also, I was told that the consultants for the parking garage can use the on site school wells to monitor the migration of the contaminated groundwater and can install their own wells. There was also some misunderstanding regarding the location of the end of the concrete barrier wall that runs along the east side of Concourse Village West. I was told that it ends about 40 feet south of the intersection of East 156th Street and Concourse Village West. At this location, it is met by a steel sheet pile wall which extends east under the school site, but ends at a monitoring well (see drawing in e-docs). So there is no barrier to the eastward movement of the contaminated groundwater from the site. I was also informed that the community is informed during regular public meetings about the environmental conditions and they are very concerned about the contamination that is coming from the parking

garage.

I sent an e-mail to Mr. Yudelson and Mr. Lorthioir informing them of the latest information. I asked Mr. Yudelson to have the consultant design the site investigation such that it includes the school property. I added that the groundwater should be tested for the expanded list of VOCs and that the Department must receive monthly groundwater gauging and product collection reports. My sketch of the site vicinity and conditions was included in the e-mail.

7/30/12 – Raphael Ketani. I received CAP 39 for EnviroTrac. The bill is DC2002.01–62 for the period 5/28/12 to 7/1/12. The invoice date is 7/11/12. The work consisted of project coordination & management, data entry, update report, calls to lab & owner & AARCO, sample bottle preparation, field preparation, gauge, purge and sample 10 wells, sample management, travel to and from the site, use of light duty vehicle, low value equipment, sonic probe and submersible pump, purchase of supplies. I found the pay package to be acceptable and notified Steve Karwiell by e-mail.

8/1/12 – Raphael Ketani. Mr. Yudelson (917) 295–6449 called. He said that the work plan will be submitted by August 17. Right now, he is gathering all of the information regarding the site, and the former gas station to the south. He will talk to Mr. Sherwood and get access to the wells under the schools in order to sample them and see what is going on.

8/8/12 – Raphael Ketani. I received CAP 7 for TestAmerica. The bill is 46187018 for the period 6/25/12 to 7/31/12. The invoice date is 7/31/12. The work consisted of processing 10 groundwater samples that were collected at the site on 6/25/12. I found the pay package to be acceptable and notified Andrea Indelicato by e-mail.

To date, I have not received word from MC Environmental or from Mr. Yudelson that MC has taken over the groundwater monitoring and product recovery duties from EnviroTrac.

8/10/12 – Raphael Ketani. Mr. McEachern (m–kay–hern) sent me the August 2012 Remedial Investigation Work Plan (RIWP), a table of groundwater elevations and product thickness values, and a response letter, dated 8/3/12, to the DEC letter dated 6/25/12. I began my review.

The first document reviewed was the RIWP. Brookside Environmental started EFRing MW–27 on 7/1/10. They were EFRing once a month. EFRing was suspended when the product thickness became less than 0.3 feet. The thickness dropped to 0.08 feet by 12/10/10. Penta One Realty had a passive collection device installed during July 2010.

Penta One will continue to monitor wells MW–9, 18, 22, 27 and 28, GW–1 and GW–2 quarterly for water levels and free product. Cumulative product removal will also be recorded. If free product is found, then EFRing will begin. If the wells that are across the street and under the school are useable, then they will be included in the monitoring array.

During the first part of this phase of the project, 4 new wells will be installed. Three (3) off site wells are proposed for the second phase of the work in order to investigate the downgradient extent of the gasoline contamination. A utility survey will be done in order to determine whether installing off site wells is feasible. GPR and MAG surveys will be done before drilling in the garage. Markouts will be performed. Soil borings will be performed in the area marked by the DEC in the attachment to their 6/25/12 letter. The small, above ground concrete tank or sump along the interior of the southern side of the garage will be demolished and the piping inspected. The new and current wells will be tested for hydraulic conductivity via slug tests.

Designing the free product collection system will require further delineation. The new wells will be sampled quarterly and

gauged. Low flow groundwater sampling will be used.

The 2,000 gal. oil AST in the basement will be integrity tested. The 2,000 gal. gasoline UST that was removed in 2008 will be registered, as will the 2,000 gal. oil AST in the basement. However, there is no information regarding the gasoline USTs that were under the garage floor, but which have been removed. MC Environmental requested help from the DEC for finding information about these tanks and registering them.

A report will be submitted with the investigation results and monitoring data.

Next, I reviewed the 8/3/12 letter from Mr. McEachern. Low flow sampling will take place. The monitoring schedule will be weekly for one month. The second month will be biweekly and, after this, the monitoring will be monthly. Groundwater sampling will take place no sooner than 30 days after well development. Wells will be installed as depicted in the attached sketch to the DEC 6/25/12 letter. Soil borings will also be performed in the area depicted in the attachment. The AST in the basement will be tightness tested. The 2,000 gal. UST that was removed during 2008 will be registered, as will the gasoline tanks that were previously removed. MC Environmental will contact the consultant for the schools across the street and arrange to sample their wells and use them as part of the monitoring array. A table with groundwater elevation data and product data was included with the e-mail.

The majority of Mr. McEachern's letter concerned the request by the DEC to also monitor wells on the site of 180 East 156th Street. Mr. McEachern said that this was counter to the agreement that was established with the previous DEC case manager, Mark Tibbe, during 2010. Additionally, he thought that an agreement was also reached during the field meeting in January 31, 2012 whereby Penta One Realty was only supposed to monitor on site wells and the DEC would monitor everything else. This was a completely unexpected and unjustified reversal of those agreements on the part of the Department. Also, he stated that the groundwater contamination under 180 East 156th Street was from this location, not the site. He added that requiring Penta One Realty to extend the monitoring and responsibility for the contamination off site was unjustified. Mr. McEachern stated that, given the years of groundwater data, we do not believe that weekly and or monthly monitoring has a scientific basis nor is such a protocol found anywhere in DER-10.

In response to my review of the August 2012 RIWP and the 8/3/12 letter, I drafted a letter for the review of Mr. Hussein. In the review letter, I stated that:

1) Penta One Realty was being required by the Department to monitor the wells within the property limits of 180 East 156th Street as the source is believed by staff at the Department to be from the site. This is because there is free product in the upgradient wells, the dissolved contamination is highest in the upgradient wells and groundwater flow is south-southeast. EnviroTrac conducted two different GPR surveys of the site and didn't find any tanks or piping. Additionally, the Sanborn maps never indicated that USTs had ever been present under the facility. Also, Penta One Realty must monitor and sample the wells under the schools and wells GW-1, GW-1, MW-8, 9, 18, 20 to 28;

2) product collection must take place on a weekly basis until at such time it can be determined that longer collection periods can be established as no product will be lost from the site through normal groundwater flow or bypassing of the collector. I added that groundwater with elevated analytes must also be collected. These procedures were in keeping with standard environmental practices. In his 8/3/12 letter, Mr. McEachern stated that this was not in keeping with DER-10. I wrote that DER-10 is just guidance, and, if he wants to, he can refer to Part 375;

3) the 2,000 gal. gasoline UST, the 2,000 gal oil AST and the four 550 gal. gasoline USTs must be added to registration no. 2-610694, which already shows the 4,000 gal UST that was also removed. I added that Penta One Realty should put on the registration form whatever information they have on the 550 gal USTs and that this, at a minimum, should include the tank capacity, that it is underground, date of removal and that each tank was closed and removed;

4) in addition to performing soil borings in the area indicated on the map that was attached to the DEC 6/25/12 letter, four soil borings must also be performed within an area bordered by MW-22, planned well GW-2 and the two supporting posts which have petrometers mounted on them. I stated that this was because the 1952 and later Sanborn maps indicated the presence of four 550 gal. USTs in this location. Also, I wrote that a well must be installed midway between MW-22 and MW-27;

5) the integrity test should be for the whole tank system, not just the tank. The test should be first done at the remote fill. If there is a failure, then each part must be isolated and tested separately until the failure is found. The DEC must receive the test report;

6) lastly, I included the name and phone number of the schools' contractor, Michael Sherwood, Senior Project Manager, TRC Solutions, 1430 Broadway, 10th Floor, New York, NY 10018, (212) 221-7822 x105, MSherwood@trcsolutions.com.

I ended the letter by stating that Penta One was in violation of the STIP and Article 12 of the Navigation Law. A revised work plan deadline was set for September 21, 2012.

8/22/12 – Raphael Ketani. I received CAP 40 for EnviroTrac. The bill is DC2002.01-63 for the period 7/2/12 to 7/29/12. The invoice date is 8/8/12. The work consisted of tabulating data from the June 2012 sampling event, inputting new data into the annual report and working on the annual report. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.

8/24/12 – Raphael Ketani. Mr. Hussein approved the review letter regarding the August 2012 RIWP and the 8/3/12 MC Environmental rebuttal letter. The letter was sent out today.

9/7/12 – Raphael Ketani. Abbey Yaghoubi (212) 426-8400, owner of A Z Business (the owner of the parking lot at 180 E. 156 Street) called today. He said that a City DOT inspector was at the parking garage property and was ready to issue fines for two cracked sidewalk flags on his property. Mr. Yaghoubi stated that the flags were cracked when EnviroTrac installed their wells. I told Mr. Yaghoubi that I would contact our contractor and have them repair the flags.

9/11/12 – Raphael Ketani. Mr. Lorthioir sent me an e-mail stating that he will meet Mr. Agubbi on 9/13/12 at the site to look over the sidewalk flags.

9/14/12 – Raphael Ketani. Mr. Lorthioir called me back regarding the sidewalk flags. He said that the area in question is NOT next to the parking garage, but is next to the parking lot. There are 4 flags in a row that have cracking. The wells in these flags were put in by School Construction Authority for their project. Mr. Lorthioir surmised that either the vibration from installing the wells or the vibration from installing a groundwater barrier caused the retaining wall to move and so the sidewalk was cracked. Years ago, the SCA was told about the cracked flags and came and repaired them simply by pouring concrete. However, Mr. Lorthioir said, the job was poorly done and the concrete sticks up a bit. I told Mr. Lorthioir that this is an SCA issue and that he should have Mr. Agubbi contact Lee Guterman (718) 472-8502, Dep. Dir. Division of Industrial Health and Safety for the SCA, and Sondra Martinkat, EE II (718) 482-4891, project manager for the school environmental investigation project at this location. Mr. Lorthioir said that he will do this.

9/21/12 – Raphael Ketani. Mr. Yudelson sent a rebuttal letter dated 9/21/12 to the DEC 8/24/12 letter requesting various work from the responsible party. I reviewed the letter, but it DID NOT seem to state that the responsible party was refusing to do the work. So I didn't respond back.

9/24/12 – Raphael Ketani. Mr. Yudelson (917) 295-6449 sent me some Sanborn maps and copies of the Certificates of Occupancy for the neighboring site that is across East 156th Street and downgradient. The maps indicate that 180 E. 156th Street was a filling station. However, no tanks are indicated. The Certificates of Occupancy date from 1/19/50 to 1/15/65 and indicate that the facility is a filling station, has metal spaces for storing cars, and is allowed to do minor repairs, but nothing more.

10/1/12 – Raphael Ketani. I sent Mr. Yudelson a rebuttal e-mail stating that Yes, the site is shown as a filling station on the Sanborns, but no tanks are depicted as they are for 173 E. 156th Street. Also, the GPR surveys were done which didn't find any tanks or their associated piping and there was no soil contamination, just groundwater contamination. So this suggests that the contamination traveled from upgradient and didn't originate at 180 E. 156th Street.

I reminded Mr. Yudelson that the DEC still expects the owners of the parking garage to do the additional investigative work and to conduct groundwater monitoring.

10/1/12 – Raphael Ketani. I received CAP 41 for EnviroTrac. The bill is DC2002.01-64 for the period 7/30/12 to 8/26/12. The invoice date is 9/13/12. The work consisted of project management, review documentation, review MC Environmental work plan and generate response, put together RIW, e-mailing documents and RIW to DEC staff, creating and updating CAD figures, sending site plan to draftsman, phone calls with DEC staff. I found the pay package to be acceptable and notified Steve Karwiol by e-mail.

10/18/12 – Raphael Ketani. I began my review of the revised MC Environmental August 2012 Remedial Investigation Work Plan. I included in the notes below only the technical aspects of the work plan. Not the history, which is already explained above, nor the inaccurate statements or commentary that were included in the work plan (see the correspondences in the e-docs).

Penta One will include wells MW-8, 9, 18, 22 to 26, GW-1 and GW-2 in the monitoring array, any additional wells the DEC is requiring to be installed and the wells on the school property as per DEC's 8/24/12 letter (In the letter, the DEC is requiring them to include and monitor wells MW-8, 9, 18, 20 to 28, and GW-1 and GW-2). They anticipate installing 7 new wells. The school property wells along Concourse Village West are MW-9 and MW-18. They stated that groundwater flow has been consistent, but they would not expect it to flow under the 180 E. 156th Street facility. (The Department has determined that the data supports the groundwater flowing from the site and under 180 E. 156th Street).

The 2,000 gal. AST in the boiler room below the garage will be tightness tested and registered. The four 550 gal. tanks which are or used to be under the garage will also be registered. However, Penta One stated that they believed the tanks were removed years ago.

On 2/16/10, product was found in MW-27. The product varied from 3.5 to 8 inches in thickness. A product collection device was installed. Product was collected from this well until 10/20/10 when the product thickness dropped to 0.3 feet. Product thickness declined to 0.08 feet by 12/10/10.

DEC will be notified if product is found in additional wells. Penta One will request access to the wells on the school property.

Based on discussions with the DEC on 1/31/12 and on the DEC 8/24/12 letter, Penta One will drill up to 7 additional wells on the garage property and 4 borings. Additional wells will be installed in the southeast part of the garage in order to find the source of the gasoline. Three (3) off site wells will be installed in the second phase of the work in order to investigate the downgradient extent of the gasoline spill and better determine groundwater flow. Sampling will take place at a minimum of 5 foot intervals to 5 feet below the water table. If no contamination is found, then the sample from 5 feet above the water table will be sent to the lab (They should send the sample that is directly above the water table). The samples will be analyzed for STARS list compounds (The list should be for CP-51 Table 2 and Table 3).

The small concrete tank or sump along the southern wall will be removed, along with its associated piping.

All new and existing wells will be tested for their hydraulic conductivity. The wells will be sampled quarterly for groundwater and water level measurements will be taken before sampling. If the well network is not adequate for determining the extent of the plume, then more wells may be installed to fill data gaps or track the effectiveness of the remediation efforts.

10/19/12 – Raphael Ketani. I was informed by staff from EnviroTrac that they will be out at the site on monday, 10/22/12, to sample the groundwater. However, they will not sample any wells that were installed by MC Environmental.

As regards the revised August 2012 Remedial Investigation Work Plan, I found it to be deficient. First, they do not mention that they will do borings in the area where the 550 gal. USTs used to be or still are, as had been requested in the DEC 8/24/12 letter. Additionally, Figure 2 of the work plan does not indicate performing borings in the southern part of the garage as had been requested in the DEC's 6/25/12 letter. Also, they do not mention monitoring and sampling MW-20 and MW-21 which are in the extreme south of the subject monitoring area. It was stated in the DEC 8/24/12 letter that they must monitor and sample these wells, too (include and monitor wells MW-8, 9, 18, 20 to 28, and GW-1 and GW-2). Lastly, they should send the sample that is directly above the water table, not 5 feet above, to the lab for analysis and the list of analytes should include those in Table 2 and Table 3 of CP-51.

I drafted and submitted a response letter for the review of Mr. Hussein.

10/22/12 – Raphael Ketani. Mr. Hussein and I discussed the contents of the letter. He approved the letter and it was sent out. A deadline of November 16, 2012 had been set for receipt of the revised work plan.

10/25/12 – Raphael Ketani. I received CAP 42 for EnviroTrac. The bill is DC2002.01-65 for the period 8/27/12 to 9/30/12. The invoice date is 10/12/12. The work consisted of traveling to and from the site in order to meet with the owner of the parking lot and discuss the broken sidewalk flags, reviewing old documents, phone calls to SCA staff, the parking lot owner and DEC staff, and use of light vehicle. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.

11/15/12 – Raphael Ketani. Today I received the groundwater analytical results for the wells that were sampled on 10/22/12 by EnviroTrac. The data came in a report that was compiled by TestAmerica and dated 11/15/12. The samples were tested only for gasoline.

MW-8: ethylbenzene 520 ppb, 3 high double digit hits, the rest below to slightly above standards MW-22: total xylenes 12,000 ppb, 2 hits above 1500 ppb, 5 triple digit hits, 2 low exceedences MW-23: 6 hits in the low to high triple digits, the rest below to slightly above standards MW-24: total xylenes 4500 ppb, 2 hits above 1000 ppb, 5 low to middle triple digit hits, 4 hits from below to slightly above the standards MW-28: total xylenes 5100 ppb, 2 hits above 1000 ppb, 4 low to middle triple

digit hits, 4 hits from below to slightly above the standards

The samples from wells MW-9, MW-18, MW-20, MW-21 and MW-26 were completely non-detect. MW-25 had only 3 very low hits and the rest was non-detect.

11/16/12 – Raphael Ketani. Today I received the revised Remedial Investigation Work Plan dated 11/16/12 from MC Environmental. The revision was in response to the DEC's 10/22/12 comment letter regarding the revised August 2012 RIWP. An additional 6 wells will be installed on site. Three off site wells will be installed along Concourse Village West during the summer school recess. Wells located on the school property will also be sampled. The samples will be collected quarterly and will be tested via 8260 and 8270. However, if there are no SVOCs, then 8270 will be dropped. Wells 8, 9, 18, and 20 to 28 will be included in the monitoring array. The passive free phase skimmer in MW-27 will be monitored monthly.

I found the work plan to be acceptable and drafted a letter for the review of Mr. Hussein.

11/19/12 – Raphael Ketani. Mr. Hussein approved the letter and it was sent out today.

11/29/12 – Raphael Ketani. I received CAP 43 for EnviroTrac. The bill is DC2002.01-66 for the period 10/1/12 to 10/28/12. The invoice date is 11/14/12. The work consisted of project management and coordination, data evaluation and review, review records, prepare materials for groundwater sampling, calls to workers at the site, e-mail to DEC staff regarding the projectproduct recovery, performing a groundwater survey on 11 wells, traveling to and from the site, use of low value equipment, light vehicle, sonic interface probe, submersible pump, drum, and purchase of supplies. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.

12/11/12 – Raphael Ketani. I tried to contact Mr. McEachern (631) 321-4500/cell (516) 242-4981 to find out when the investigative work will start, but I could only leave a voice message. I sent an e-mail to Mr. McEachern stating that if the work doesn't start by the middle of January 2013, then I will tell our contractor to start doing the additional investigative work. I also added that failure to perform the work is a violation of the Stipulation Agreement and is subject to fines and penalties.

Mr. McEachern responded by e-mail that he is getting ready to start the work soon. He will meet with the tank testing company, plans to demolish the concrete structures below the old dispensers, spoke to Mr. Sherwood regarding the wells below the school, and contacted the State's consultant to get the owner info for the site to the south. The tank testing and school site visit will happen this month. Drilling of the new wells and the soil borings will take place in January.

12/13/12 – Raphael Ketani. I received CAP 11 for TestAmerica. The bill is 46191039 for the period 10/22/12 to 11/30/12. The invoice date is 11/30/12. The work consisted of processing 11 groundwater samples that were collected at the site on 10/22/12. I found the pay package to be acceptable and notified Andrea Indelicato by e-mail.

I also reviewed the Test America 11/15/12 groundwater analytical report. The samples came from wells MW-8, 9, 18, 20 to 26 and 28. The sample from MW-22 continued to have very high concentrations of contaminants up to 12,000 ppb of total xylenes with many hits well above 1,000 ppb. MW-24 had hits up to 4,500 ppb of total xylenes along with 4 hits above 1,000 ppb. MW-23 had eight hits above 100 ppb, two of which were above 900 ppb. MW-28 had hits up to 5,100 ppb of total xylenes with four other hits above 1,000 ppb. The other 7 samples were almost entirely or entirely non-detect.

12/20/12 – Raphael Ketani. I received CAP 44 for EnviroTrac. The bill is DC2002.01-67 for the period 10/29/12 to 11/25/12. The

invoice date is 12/11/12. The work consisted of project management and coordination, work plan review, e-mail to DEC staff regarding the project, prepare annual report charts, order glassware for next sampling round. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.

1/10/2013 – Raphael Ketani. Mike Sherwood of TRC (the SCA's consultant; (212) 221-7822/cell (516) 650-5290) called regarding a call from Mr. McEachern. He said that Mr. McEachern wanted to use the wells below the schools to do downgradient monitoring for the parking garage. He also wanted to install wells below the school.

I told Mr. Sherwood that the DEC had approved a work plan that was submitted on behalf of the garage owner by Mr. McEachern (m-kay-her-n). The plan included installing off site wells and doing off site monitoring. Mr. Sherwood said that he understood. I told Mr. Sherwood that the DEC had been notified that oil was discovered in a pit below the school. Mr. Sherwood stated that the SCA was doing plumbing upgrades and so they were digging pits below the school for the installation of house traps and other equipment. While digging the western most pit, they encountered water with an old gasoline odor and sheen. The groundwater is 4 feet below grade. Mr. Sherwood said that he assumes the contamination is from the parking garage. I told him that there is one well downgradient from the USTs below the garage that consistently has weathered gasoline. Mr. Sherwood said that there are two wells under the school which could be used for monitoring. All of the other wells were abandoned when a 50 foot by 60 foot solidified area was constructed below the school in order to protect the retaining walls, the hydraulic barriers and the pile caps. Mr. Sherwood added that Mr. McEachern can put a well just off of the northeast corner of this solidified area. I asked Mr. Sherwood whether there was enough overhead room to put a rig. He said the clearance is 22 feet. He added that he thought the groundwater was flowing around this solidified area. I asked him when Mr. McEachern could install the well. He said that he will have to talk to the SCA to get permission. I told him that would be fine.

I contacted Mr. McEachern (631) 321-4500/cell (516) 242-4981 regarding whether the approved remedial work was taking place. He informed me that the tank test for the fuel oil AST and removal of the concrete sump and pump islands will take place on about 1/19/13. A geophysical survey will be conducted the week of the 21st in the supposed gasoline UST area and then they will do the well installations. I told him that sounded alright.

1/11/13 – Raphael Ketani. Abbey Yaghoubi (212) 426-8400, owner of A Z Business (the owner of the parking lot at 180 E. 156 Street) called yesterday. I tried to return his call, but could only leave a voice message with his nephew Kevin.

Moe Yaghoubi (212) 426-8400 (brother of Abbey) called. He said that he wanted all of the documentation that was available for the parking garage. I told him to make a FOIL request. I asked him why he wanted these documents. He said that he and his family were going to develop their parking lot and so a Phase I and Phase II will be done. He asked what was happening at the parking garage. I told him about the latest approved work plan and that the work will take place this month. I also told him that some of the reports indicate that there is contamination below his property. He said that he never had any tanks or piping related to fuel management. I told him that we would like to know if his consultant finds anything below ground in the way of a fuel management system, or remnants of such a system. He said that he will let me know. Mr. Yaghoubi asked to be kept informed regarding progress at the parking garage (myumdc@gmail.com).

1/17/13 – Raphael Ketani. Mr. Sherwood called. He said that he met with Mr. McEachern and showed him the barriers for preventing the migration of contaminants onto the site, the plumbing pit and the location of 2 wells that were from the 2005 remedial investigation for the schools site. Mr. McEachern stated to Mr. Sherwood that he will do the work that the State requires as soon as the work plan is approved. (The work plan was approved 11/19/12 – note by R. Ketani.)

1/18/13 – Raphael Ketani. Mr. McEachern called to say that he had met with Mr. Sherwood regarding the school site. He also stated that the integrity test for the AST in the partial basement will take place tomorrow. The vent and fill pipe will be removed or plugged after the testing. The concrete sump in the back of the site will also be removed tomorrow. ADT (drilling company) will hire a geophysical company to do a survey of the areas that will be drilled. The survey will take place the week of January 28th.

1/22/13 – Raphael Ketani. I received CAP 45 for EnviroTrac. The bill is DC2002.01–68 for the period 11/26/12 to 12/30/12. The invoice date is 12/30/12. The work consisted of project management, e-mail to DEC staff regarding the project and calls to the owner of the property across the street and to MC Environmental, tabulate data, work on gauging chart and status report and annual report. I found the pay package to be acceptable and notified Steve Karwiell by e-mail.

Later, Mr. McEachern called me. He said that the tank in the partial basement is much larger than they had thought. He believed it was a 5,000 gal. AST. It's in a concrete vault with weep holes at the bottom. I told him that this tank has to be registered. He said that it will be registered. Mr. McEachern went on to say that the initial integrity test did not go well. They had closed all of the valves. The vent pipe was badly rusted where it passed through the sidewalk. So they cut off the vent, tried to seal the end of the pipe and conduct the test again. The test still didn't pass. They will go back next Saturday (January 26) and try to test again. He said that there are all kinds of pipes passing in and out of the tank. He believes that the tank had once held #6 oil as there is solidified oil in a bucket next to the tank and there are pipes inside the tank for heating the oil. I suggested cutting off all of the piping, plugging them and then doing the test. He said that this was an idea, but that some pipes had asbestos. I told him that he should get a licensed contractor to remove the asbestos and then cut off the pipes. Mr. McEachern (m-kay-her-n) told me that there were no stains at the weep holes. So he didn't believe that the tank had ever leaked. I asked him whether the tank was on the ground. He said that he didn't know. I asked him whether the tank had product or was ever cleaned out. He said that there was no product, but there may be sludge. I told him that as a last ditch measure to determine the integrity of the tank, he could cut open the tank, clean it out and have someone inspect the tank from the inside to determine whether any signs of leakage could be determined. Mr. McEachern said that this was possible, but that it may not give us answers. I told him this may be all that one can do with an old tank which can't be tested.

After this, I asked him when the geophysical testing will take place. Mr. McEachern said that he wanted to have the testing done tomorrow (January 23). However, the insurance has to be in place and the cars have to be moved. He just wasn't sure. I asked him to let me know as soon as he knows when the testing will take place. He said that he will.

Later, Mr. McEachern sent me an e-mail stating that the geophysical work will definitely take place tomorrow.

1/24/13 – Raphael Ketani. Mr. McEachern (631) 321–4500/cell (516) 242–4981 called to give me an update. Most of the geophysical work took place yesterday. There is one area of the garage that still needed to be surveyed. So the geophysical crew is going there today to finish up. The survey did not find any additional features or structures compared to previous surveys. No tanks were found.

Another attempt will be made to integrity test the AST in the partial basement. Dry As A Bone will attempt the test on January 26. They will try to seal or plug all of the piping to the tank. Mr. McEachern asked whether he can stick the tank, if the testing does not succeed. I asked him why he wanted to do this. He said that he has to open the tank anyway to see whether there is oil inside. If he doesn't find product or if the product is completely solidified, then the tank can be considered as not an environmental threat after all. I told him that the DEC will accept this alternative approach for the site. He added that the fill port will be plugged with concrete and vent pipe will be cut off and plugged with concrete.

Lastly, Mr. McEachern stated that the drilling rig for the job is in Connecticut and is disabled due to leaks. So it will not be brought to the site by the scheduled date of January 28. He would like to reschedule the drilling for February 4 once the rig is repaired. I told him that this would be fine.

2/5/13 – Raphael Ketani. Mr. McEachern called. He said that his crew has been installing the planned wells with a sonic rig and things are going well. However, the installation of the two wells along the west wall of the garage did not yield any signs of contamination. They cut through about 29 feet of soil and it appears that the rock slopes steeply under the garage. Mr. McEachern said that, in light of the previous 2 clean borings, he didn't see a need to install the well outside the northwest corner of the garage. I told him that he didn't need to install this well as the other two were also upgradient and appeared to be in clean soil and bedrock.

2/6/13 – Raphael Ketani. Mr. Lorthioir called with an update. He said that his technician was at the site during the drilling and was monitoring the situation and reporting back. Mr. McEachern and his crew were drilling in the alleged UST area this morning when their drill hit concrete below the garage floor. They continued to drill and it seemed as if the bit was grinding on metal. They then checked the hole and pulled out gasoline contaminated soil. Mr. Lorthioir wanted to know whether the DEC wanted to split samples with MC Environmental. I told him Yes, definitely, and to take the dirtiest sample from each boring. I added that hitting concrete below the floor sounds like a vault is present. Mr. Lorthioir concurred. I told him that the DEC wanted the tanks opened up, if they are still there, and checked out. He said that this will be done.

2/12/13 – Raphael Ketani. Mr. Lorthioir sent me the following e-mail with a map showing where the first boring was done in the tank area:

On the attached map, I hand drew where they installed one of the monitoring wells at Motthaven. This is the location where the driller went through several feet of concrete and thinks he may have hit a tank. On Friday, my field tech gauged the well with his interface probe and there was about 2 feet of product in it. The tech from MC environmental wrote down the actual amount.

2/13/13 – Raphael Ketani. Mr. Lorthioir sent another e-mail and stated that MC Environmental was still drilling today.

2/25/13 – Raphael Ketani. Mr. McEachern sent me the following e-mail update:

I am preparing a progress report on the recent work at the garage, so I'll give you the major points here. We drilled six new monitoring wells plus eight borings in the garage. We did not find any USTs by geophysics or by drilling and this confirms our understanding that the original 550-gal. USTs were removed sometime in the past. The first four wells GW-4, GW-5, GW-6 and GW-7 were drilled using a sonic rig. GW-4 and GW-5 are on the west side of the garage (upgradient) and showed no signs of contamination based on PID / visual examination of samples.

GW-6 was drilled on the east side near the old remote fill piping, and the samples near the water table (about 27") had high PID readings and aged gasoline odors. Last week (2/21) we found several feet of free product in GW-6 and we bailed this out until only a few inches remained. We will be removing product weekly using bailers and are looking into using a Spill-Buster pump for active product removal. We collected a product sample for lab analysis for comparison with any other product samples that might be collected if it appears in other wells. I think that using a vac truck EFR would be difficult in terms of access, so we plan to continue bailing or pumping to better determine the volume of removal over time. Well GW-7 had product odors and fairly high PID readings near the water table but no free product so far.

We could not fit the sonic rig into the enclosed area at the south-east corner of the building due to low overhead clearance, so we used a conventional Geoprobe to drill two more wells GW-12 and GW-14 but with great difficulty and could only install 1-inch wells. GW-12 and GW-14 both showed moderately high PID readings at about 25'-30'. GW-8 through GW-11 and GW-13 all were abandoned after shallow refusal (7' to 15') and they did not show indications of contamination.

We surveyed the elevations of all the new wells on 2/21, tying these into the existing well elevations. All soil samples were sent out to Phoenix Labs for analysis for CP-51 VOCs and SVOCs.

We did find about 15 inches of old fuel oil in the 5000 gal. AST inside the basement boiler room. We could not get the AST to pass a vacuum tightness test and it was called into the DEC hotline by Dry-As-A-Bone, Inc. We will be having this fuel oil pumped out by a contractor such as Brookside or AB Oil.

We will be doing quarterly groundwater sampling in March and I will let you and Envirotrac know as soon as we have a date for this.

----- I contacted Mr. Sherwood of TRC (the SCA's consultant; (212) 221-7822/cell (516) 650-5290; msherwood@trcsolutions.com) and gave him a verbal update.

Later, I sent Mr. McEachern an e-mail stating that I had been informed that a concrete slab was encountered below the floor and that the drilling sounded like metal was hit – possibly a UST.

Mr. McEachern responded by e-mail and stated:

I was present when we drilled GW-6 and we did hit concrete at about 3.5 feet but there was sand immediately below and no void as would be expected if we hit a tank. I did not hear a sound like metal being penetrated before or after we hit the concrete. If the concrete we hit was the top of a tank vault, we would have encountered a void of at least several feet and then more concrete at the bottom. There was nothing like that in GW-6. We retrieved a piece of metal from the sonic sampling tube which appears to be a from a pipe rather than part of a tank. Also, in 2008 we closed an old hydraulic lift about 10 feet north of GW-6 and there may have been parts of another lift where we were drilling. I called Diversified Geophysics Inc. (DGI) and asked Andy Silver, the geologist who ran the GPR and MAG surveys, and he clearly saw the piping to the center of the garage but nothing that would suggest a tank or tanks there. Remember, there have been three geophysical surveys of the garage, two for us and one for DEC through Envirotrac, and none found any tanks. The Sanborn maps show tanks in the approximate center of the garage which would be near well MW-22 rather than GW-6, so the fate of these tanks is a mystery but the presence of the 4000 gal. tank that we removed from the lot north of the garage, suggests that the old 550's were replaced by this newer tank. I was surprised as anyone over the product in GW-6 but missing a steel tank or tanks with both GPR and MAG is pretty unlikely. Our immediate focus is on collecting and preventing migration of the free product.

2/27/13 – Raphael Ketani. I received CAP 46 for EnviroTrac. The bill is DC2002.01-69 for the period 12/31/12 to 1/31/13. The invoice date is 2/11/13. The work consisted of project management, calls to MC Environmental staff, e-mails to DEC staff, calls to the owner of the parking lot, GPR and well location inspection, go over work to take place at site with EnviroTrac technician, travel to site, work on annual report, use of low value equipment and light duty vehicle. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.

3/13/13 – Raphael Ketani. Today, I received a copy of the Initial Demand Letter from the Office of the Attorney General seeking

reimbursement for the money that was spent for contracting costs for doing the initial investigation of the site.

3/14/13 – Raphael Ketani. I sent an e-mail to Mr. McEachern (631) 321-4500/cell (516) 242-4981 requesting a progress update and stating that he should do simple borings to try and see whether he can hit a concrete vault or metal in order to definitely find out whether the tanks are still there. I added that if he does find the tanks, then they need to be investigated.

3/15/13 – Raphael Ketani. I received and reviewed the TestAmerica 3/14/13 Soil Analytical Report. The samples were taken during 2/6/13 to 2/8/13. The locations sampled were GW-6, 7, 12, 14, 15, and 16. The soil sample results for GW-6(15-20), GW-6(20-12), and GW-15(25-35) were extremely high with VOC hits in the hundreds of thousands of ppb and up to 940,000 ppb of total xylenes. The VOC results for GW-7(20-25), GW-15(0-5), GW-15(30-35) and GW-14(25-30) were very high with hits in the tens of thousands of ppb up to 90,000 ppb of 1,2,4-trimethylbenzene. Mostly moderate VOC hits were found in the sample from GW-12(20-25) from hundreds to 10,000 ppb of 1,2,4-trimethylbenzene. GW-14(30-35) and GW-16(0-5) had mostly low hits up to 4200 ppb of 1,2,4-trimethylbenzene.

From the results in the report, very high contamination is present both just below the garage floor and to 35 feet below grade.

Later, I received an update e-mail from Mr. McEachern:

We have been monitoring the new wells and removing product from new well GW-6 weekly. The product thickness has declined from several feet to about 4 inches as of this morning. We surveyed the new wells and leveled them to the same datum as the other wells. We are preparing a new site plan based on the survey. I heard from Mike Sherwood of TRC today and he wrote that we will have access to the SCA property on 3/28 (Thurs) for sampling and we are planning to sample all the wells we are monitoring between 3/25 and 3/28. I will call Dave at Envirotrac in case he wants to be there or to send someone. We are preparing a geophysical report which will also cover the drilling inside the garage from 2008 to the present. I would like to provide that report for your review before we discuss any further borings or excavating.

I responded back that I will first review the report and then decide whether more borings are warranted.

3/21/13 – Raphael Ketani. Mr. Yudelson called to request an extension of the deadline for submitting the investigation report. I granted him until April 5, 2013 to submit the report.

3/22/13 – Raphael Ketani. I received CAP 47 for EnviroTrac. The bill is DC2002.01-70 for the period 2/1/13 to 2/24/13. The invoice date is 3/13/13. The work consisted of project coordination, project management, preparation for site inspection, oversight of environmental work by EnviroTrac technician, calls to technician in the field, sample management, ship samples, update report, complete report, calls to laboratory, review field data, log in data, travel to site, use of low value equipment, sonic interface probe, PID meter with kit, light duty vehicle, purchase supplies. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.

4/12/13 – Raphael Ketani. I received CAP 15 for TestAmerica. The bill is 46196118 for the period 2/6/13 to 3/31/13. The invoice date is 3/31/13. The work consisted of processing 10 soil samples that were collected at the site from 2/6/13 to 2/8/13. I found the pay package to be acceptable and notified Andrea Indelicato by e-mail.

The soil results for GW-6 (15 to 20 feet and 20 to 21 feet) had total xylenes up to 940,000 ppb. GW-7 (20-25) had total xylenes to 39,000 ppb. GW-12 (20-25) had some contamination, but the results were above CP-51 standards for only a few analytes. GW-15 (0-5 and 25-35 and 30-35) had up to 270,000 ppb of 1,2,4-trimethylbenzene and 57,000 ppb total xylenes. GW-14 (25-30) had up to

90,000 ppb of 1,2,4-trimethylbenzene. The other analytical results were low.

4/18/13 – Raphael Ketani. Today I received the TestAmerica 4/18/13 Groundwater Analytical Report. The hits that were the highest were mostly the xylenes. The constituent analytes were representative of weathered gasoline. The samples from GW-1, GW-2, GW-4, GW-5, MW-8, MW-9 and MW-18 had only or mostly very low hits. GW-7, GW-12, GW-14, MW-22 and MW-28 had many hits which were mostly very high – up to 15,000 ppb of total xylenes from GW-7, 17,000 ppb of total xylenes from GW-14.

Results for samples from wells MW-23 to MW-27 were not included in the package. I sent an e-mail to Mr. McEachern requesting that he sample these wells and collect any product that is present. I added that if there is a problem with the Department's request, then I will have EnviroTrac do the work.

Mr. McEachern responded that Mr. Yaghoubi, the owner of the neighboring property containing the wells, would not let him in to sample wells MW-23 to MW-26. I asked Mr. Lorthioir to contact Mr. Yaghoubi and explain who Mr. McEachern is and why he needs to sample the wells. Mr. Lorthioir later responded back that he had straightened out the matter and that Mr. McEachern can enter the property as long as he provides evidence of insurance.

Mr. McEachern also wrote that Mr. Sherwood is no longer with TRC and that Mr. Sharma of TRC will take his place.

4/29/13 – Raphael Ketani. I reviewed the MC Environmental 4/11/13 Geophysical and Sub-Surface Investigation Report. Three geophysical investigations took place from 2006 to 2013. The surveys didn't detect any tanks, but they did detect piping. The tanks were assumed to be USTs, but, years ago, it was legal to have gasoline ASTs. Free product was found at GW-6, but not at GW-2. USTs are typically not buried deeper than 5 feet bgs, but may be buried as shallow as 2 feet bgs. Thus, it is believed that borings deeper than 5 feet would encounter a UST, if one were present.

Two of the surveys were done with a GPR and one with a magnetometer. In 2006, EnviroTrac contracted X-Ray, Inc. to do a GPR survey in the south-central garage interior. A remote fill pipe was found, but no USTs. MW-22 was installed, but no product was found. The well did have high dissolved phase constituents, however.

In 2007, MC Environmental hired Neava Geophysics to survey outside of the garage and the parking lot. They found a large UST in the parking lot and found additional piping near the south end of the garage that was believed connect to another remote fill and to a product puming system along the wall near the south-central area of the garage. However, no USTs were found.

During 2013, MC Environmental hired Diversified Geophysics, Inc. to recheck the previous surveys, check for possible USTs and to do a utility clearance. They also traced the remote fill piping. They found additional piping in an area that had not been surveyed.

During 4/4/07, Brookside Environmental excavated in the south central area of the garage based on X-Ray's survey. No USTs or vaults were found. Several cubic yards of contaminated soil were removed. During 7/2007, ADT drilled 3 borings along Concourse Village West and 10 borings along the garage centerline adjacent to the product line for the 4,000 gal. UST in the parking lot. They drilled to 10 feet, but no USTs or vaults were found.

During February 2013, ADT installed more borings and wells. GW-4 and GW-5 were installed along the west side of the garage, but didn't find soil contamination. GW-6 was drilled along the east side of the garage and strong gas odors were encountered. They went through fill to 3.5 feet bgs and then through concrete from 3.5 to 5 feet bgs. Then they encountered sand with silt and clay

to 35 feet bgs. Product was seen in the well. GW-7 was installed near the southern part of the garage near the former Brookside excavation from 2007. Shallow soil samples had strong gas odors and were followed below this by low PID hits and no product. GW-8 to GW-11 and GW-13 were drilled in the back room at the southeast corner of the garage and all hit refusal at 10 to 16 feet bgs. This was assumed to be bedrock. So no wells were installed. GW-12 and GW-14 were drilled and high PID soil readings were found below 20 feet. The wells were screened from 25 to 35 feet bgs, but no product was found. GW-15 and GW-16 were drilled 30 feet west of MW-22. GW-15 went through 25 feet of fill with concrete debris and had moderate soil PID hits from 0 to 10 feet bgs. This was followed by low readings until the 25 to 30 foot interval, which had moderate readings. GW-16 was attempted 20 feet north of GW-15, but the hammer broke. No USTs were detected.

MC Environmental recommends installing additional wells. One would be a short distance north of GW-6 north of the garage. The other would be between GW-2 and GW-3. This well would be done after the school year has ended in June 2013. Also, product would be removed from GW-6. A pump would be installed if the presence of the product is persistent. A pilot test for using in-situ chemical treatment would be conducted. An SVE test would also be conducted using one of the existing wells.

I drafted a letter for the review of Mr. Hussein approving the report, but also containing comments regarding the information that was presented. The comments were:

1) product delineation wells must be installed as depicted on the attached plan and off of the northeast corner of the solidified area under the school 2) product must continue to be removed from MW-6 3) groundwater with high analytical results must be removed from GW-7, GW-12, MW-14, MW-22 and MW-28 4) the contaminated soil at both the shallow horizons and deeper horizons at locations GW-6, GW-7, GW-14 and GW-15 must be treated and confirmatory samples must be taken after the treatment solutions have had enough time to address the gasoline contamination 5) boring logs, soil analytical results and other associated information must be submitted for borings GB-9 and GB-10

4/30/13 – Raphael Ketani. Mr. Hussein approved the letter and it was sent out. A deadline of May 31, 2013 was set for submitting a work plan for conducting the delineation and remediation work.

5/1/13 – Raphael Ketani. I received CAP 48 for EnviroTrac. The bill is DC2002.01-71 for the period 2/25/13 to 3/31/13. The invoice date is 4/12/13. The work consisted of project management, GIS management, updating 2012 and 2013 reports, updating CAD files, correspondences with DEC, correspondences with MC Environmental, preparation for sampling event, calls to technician in the field, collection of soil samples, tabulate data, review sampling notes, use of light duty vehicles and low value equipment and the purchase of shipping services and supplies. I found the pay package to be acceptable and notified Steve Karwiell by e-mail.

5/9/13 – Raphael Ketani. Mr. Yudelson (917) 295-6449 called me regarding the contents of the 4/30/13 letter. He agreed with what the DEC was requesting to have done. He said that MC Environmental will follow through on completing the work.

5/23/13 – Raphael Ketani. I received CAP 49 for EnviroTrac. The bill is DC2002.01-72 for the period 4/1/13 to 4/28/13. The invoice date is 5/14/13. The work consisted of project coordination and management, revisions to update 2012 report, correspondences with DEC, sample management, correspondences with lab regarding samples, tabulate data. I found the pay package to be acceptable and notified Steve Karwiell by e-mail.

6/13/13 – Raphael Ketani. Mr. McEachern left a voice message stating that groundwater samples will be taken by MC Environmental during June. He is trying to coordinate the installation of additional wells at the site.

I received CAP 17 for TestAmerica. The bill is 46199055 for the period 4/2/13 to 5/30/13. The invoice date is 5/30/13. The work consisted of processing 12 groundwater samples that were collected at the site from 3/27/13 to 3/28/13. I found the pay package to be acceptable and notified Andrea Indelicato by e-mail.

I reviewed the TestAmerica 4/18/13 Analytical Report for the 12 groundwater samples. Five wells had very high analytical results. These were GW-7, GW-14, MW-22, GW-12 and MW-28. The other 7 sets of results contained low hits and low exceedences.

GW-7: 15,000 ppb total xylenes, 3100 ppb 1,2,4-trimethylbenzene, 1800 ppb ethylbenzene, 870 ppb 1,3,5-trimethylbenzene, 390 ppb n-propylbenzene, 300 ppb naphthalene, 200 ppb isopropylbenzene

GW-14: 17,000 ppb total xylenes, 4100 ppb 1,2,4-trimethylbenzene, 2400 ppb ethylbenzene, 1700 ppb 1,3,5-trimethylbenzene, 710 ppb n-propylbenzene, 590 ppb naphthalene, 320 ppb isopropylbenzene

MW-22: 7000 ppb total xylenes, 2500 ppb 1,2,4-trimethylbenzene, 980 ppb ethylbenzene, 600 ppb 1,3,5-trimethylbenzene, 250 ppb n-propylbenzene, 630 ppb naphthalene, 160 ppb isopropylbenzene

GW-12: 400 ppb total xylenes, 6900 ppb 1,2,4-trimethylbenzene, 79 ppb ethylbenzene, 2300 ppb 1,3,5-trimethylbenzene, 890 ppb n-propylbenzene, 100 ppb naphthalene, 250 ppb isopropylbenzene

MW-28: 3900 ppb total xylenes, 1800 ppb 1,2,4-trimethylbenzene, 1200 ppb ethylbenzene, 460 ppb 1,3,5-trimethylbenzene, 280 ppb n-propylbenzene, 450 ppb naphthalene, 150 ppb isopropylbenzene

I sent an e-mail to Mr. McEachern (631) 321-4500/cell (516) 242-4981 and Mr. Yudelson (917) 295-6449 containing the above results and reminding them that the work plan for conducting the delineation and remediation was due by 5/31/13.

Mr. McEachern responded by e-mail that he will do the additional delineation wells after the school year ends.

6/21/13 – Raphael Ketani. Mr. McEachern sent me an e-mail that the next quarterly round of groundwater sampling will take place during June 25 and 26.

6/24/13 – Raphael Ketani. I reviewed the EnviroTrac 5/13/13 Groundwater and Soil Data report. During February and March 2013, staff from EnviroTrac witnessed the installation of additional wells within the parking garage property, which included the taking of soil samples. EnviroTrac split soil samples with MC Environmental from February 6 to 8. They also collected groundwater samples from wells GW-1, 2, 4, 5, 7, 12, 14, MW-8, 9, 18, 22 and 28. Two other wells on the school property had been destroyed. MW-20 and MW-21 were not sampled as they were not part of the scope of work. MW-27 and GW-6 were not sampled due to the presence of product. GW-6 had 2 inches of product and MW-27 had trace amounts of product.

The VOC data ranged from the thousands to hundreds of thousands of parts per billion for individual analytes in soil samples from GW-6 (15'-20'; 20'-21'), GW-7 (20'-25'), GW-12 (20'-25'), GW-14 (25'-30'), GW-15 (0'-5'; 25'-35'; 30'-35'). These locations were in the east, south and southwest areas of the property. The soil SVOC results varied from non-detect to very low hits.

The dissolved phase groundwater results had high VOC exceedences for samples from GW-7, GW-12, GW-14, MW-22 and MW-28. The concentrations varied from the hundreds of parts per billion to 12,000 ppb for various analytes. These wells were in the central, southern and southwestern parts of the property. SVOCs were not tested for.

6/27/13 – Raphael Ketani. I received CAP 50 for EnviroTrac. The bill is DC2002.01–73 for the period 4/29/13 to 5/26/13. The invoice date is 5/26/13. The work consisted of updating CAD figure and file, updates regarding field work, review MC Environmental report, tabulate soil and groundwater data and send letter to DEC, do new site maps, complete update reporting. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.

7/2/13 – Raphael Ketani. Mr. McEachern (631) 321–4500/cell (516) 242–4981 called today. Quarterly sampling was done last week. A well will be installed in the garage, in between GW–2 and another well and under the school. He added that Mike Sherwood cell (516) 650–5290 was still involved in the school site, but as a private consultant. A sock was installed in MW–27. MW–8 had black liquid. Mr. McEachern thinks its the MGP waste he had seen at two other wells in the past. I thanked him for the update and asked him to proceed with the work.

I sent an e-mail to Deborah (Lee) Guterman of the SCA (718) 472–8502 requesting permission for Mr. McEachern to enter the school property and install the wells.

7/3/13 – Raphael Ketani. Ms. Guterman called me today. She asked that Mr. McEachern send her a map showing where he wants to put the wells and include information regarding the proposed well design, the equipment to be used, the well diameter, whether the wells will be permanent or temporary, how often he will need to enter the property for well development, sampling and product collection. I wrote in an e-mail to Mr. McEachern that he should submit a simple work plan for installing the wells under the schools (PS156 and IS151) with all of the above information. I added that there should be at least two wells installed and that he should get mark outs of all of the utilities and the location of the in situ solidification concrete slab. I C–C'd Ms. Guterman.

Later, Mr. McEachern responded by e-mail stating that he will prepare a work plan for installing the wells below the schools.

7/15/13 – Raphael Ketani. Mr. McEachern (631) 321–4500/cell (516) 242–4981 sent me the Workplan for Additional Monitoring Wells dated 7/10/13. Drilling is tentatively scheduled for late July. The work will take 2 days. MC Environmental requested the assistance of the SCA regarding information concerning the location of utilities and the extensive construction.

Four (4) additional wells are proposed to confirm the limits of the spill in the groundwater north and east of the well network. One (1) new well will be installed in the garage about 35 feet north of GW–6. One or two wells will be installed under the schools. Diversified Geophysics, Inc. (DGI) will survey the area before new wells are installed north of GW–6, between GW–2 and GW–3 and on the school property. MC Environmental will try to obtain the school site plan from the SCA regarding the utilities and drainage. The most contaminated soil sample from each boring will be sent off for analysis. If product is found, a sample will be sent off for fingerprinting. Soil samples will be provided to vendors for treatability analysis. Groundwater data will also be sent to them.

Comments were generated as a result of my review of the work plan. First, installing a well 35 feet north of GW–6 without the installation of an intervening well was deemed too far of a step out for delineation purposes. Additionally, there was no information regarding answers to two of the SCA's questions (see below).

1) will the wells be temporary or permanent 2) how often will MC Environmental need to enter the property for development, sampling and product collection

MC Environmental provided a map showing the possible locations of two wells that will be installed on the school property. It is indicated that one well will be installed near Pit 5. However, it is not mentioned whether this was the pit with a sheen.

Lastly, Mr. McEachern never sent the Department the boring logs, soil analytical results and other associated information for borings GB-9 and GB-10, as requested in the DEC's 4/30/13 letter.

I drafted a response letter for the review of Mr. Hussein which contained the above comments.

Mr. Hussein approved the letter and it was sent out.

7/29/13 – Raphael Ketani. I received CAP 51 for EnviroTrac. The bill is DC2002.01-74 for the period 5/27/13 to 7/15/13. The invoice date is 7/15/13. The work consisted of final map corrections for report, send the report, product recovery by AARCO Environmental Services and shipping environmental samples by UPS. I found the pay package to be acceptable and notified Steve Karwiel by e-mail.

7/30/13 – Raphael Ketani. I received the following e-mail today from Ms. Guterman (718)472-8502 :

Thank you for the information. SCA has coordinated with DOE, who will be handling this work. We have also shared our comments and suggestions with them. Since this matter involves existing schools, your point of contact is Mr. John Shea (JShea3@schools.nyc.gov), DOE, Division of School Facilities (DSF). Of course, if you need anything further from SCA, please don't hesitate to call me.

8/5/13 – Raphael Ketani. Mr. McEachern sent me the boring logs for GB-9 and GB-10 and the SVOC data for a sample taken from GB-10. The boring logs showed that they had drilled to 10 feet and 5 feet bgs, respectively. The SVOC data for GB-10 was completely non-detect.

Mr. McEachern also sent me the revised 7/10/13 Work Plan for Additional Monitoring Wells dated 8/5/13.

Later, I sent an e-mail to John Shea of the NYC DOE requesting his permission for conducting the well installations under the schools. I also attached Mr. McEachern's 8/5/13 cover letter and revised work plan, the figure that goes with the work plan and a previously approved remedial investigation work plan dated 11/16/12.

Mr. Shea responded back by e-mail that the issue of access to the school property was given to Kimberly Ong, New York City Law Department (100 Church Street, NY, 10007, (212) 356-2309). She will draft an access agreement.

8/6/13 – Raphael Ketani. Ms. Ong sent an e-mail to Louis Oliva, Regional Attorney of DEC, and requested an opportunity to discuss drawing up an access agreement for the work that is proposed.

Later, she requested the contact information for Mr. Yudelsohn so that she can work out an access agreement with him. I sent her the information.

After this, Mr. McEachern sent an e-mail to Mr. Shea stating what the objectives of MC Environmental were regarding the investigation. He also requested the names of all parties to be listed on insurance documents and information regarding any other documents required by the City.

I reviewed the 8/5/13 Work Plan for Additional Monitoring Wells. In the work plan, Mr. McEachern addressed the SCA's questions. He also called me yesterday regarding the placement of a well 35 feet north of GW-6. He said that this was being done because there was concrete from old lifts in the area. So this was as close as they could get. I found the work plan to be acceptable and sent an e-mail to Mr. McEachern to this affect.

8/8/13 – Raphael Ketani. Ms. Ong (212) 356-2309 left a voice message stating that she had contacted Mr. Yudelson today regarding drafting the access agreement. She also sent the access agreement to the DEP. The process will take a few days, at least, and will probably result in the access agreement being finalized and approved sometime after August 2013.

8/21/13 – Raphael Ketani. Ms. Ong sent me an e-mail stating that the area under the school where the drilling will take place has a Brownfield Cleanup Agreement with an Soil Management Plan (SMP). (The site is a former Metro North property.) One of the requirements of the SMP is that specific government agencies and offices and the community board must be given 15 days notice before non-routine work can take place. Since Penta One wants to drill on August 24, this is just not enough notice. Therefore, Ms. Ong wrote, the drilling will have to be rescheduled. She also stated that she is working on finalizing the access agreement.

I responded that the City and Penta One will just have to work together to find another drilling date – possibly during the weekend or a holiday.

Later, Mr. Yudelson (917) 295-6449 e-mailed regarding the SMP. He stated that Ms. Ong's interpretation of the SMP conditions was not completely correct. He said that the installation of two shallow monitoring wells should not fall under the category of non-routine work. I told Mr. Yudelson that I would talk to Sondra Martinkat, EE II in Remediation and former project manager for the 753 Concourse Village West school site.

Ms. Martinkat told me that, while well installations are not routine, the installation of two shallow wells should not be subject to the 15 day prior notification as long as the responsible party has submitted a specific description of the work that will take place and how the work will be done. I told Ms. Martinkat that I had already received, reviewed and approved the 8/5/13 Work Plan for Additional Monitoring Wells and found that it contained specific and detailed information about this part of the project. Ms. Martinkat said that if I was satisfied about the description, then I could tell the R.P. that they can go ahead with the work on August 24, as planned. However, all of the respective concerned parties would still have to be notified. I told her that I will send an e-mail to Ms. Ong of the City and Mr. Yudelson, the R.P. lawyer, and let them know this.

Later, I sent an e-mail to Ms. Ong and Mr. Yudelson stating the explanation above and adding that the work could go ahead as long as the access agreement was in place. I attached a copy of the approved 8/5/13 work plan.

Sometime later, Ms. Martinkat told me that the well installations have to wait for the NYC Board of Education to make the 15 days notifications to everyone. I sent an e-mail to this effect to Ms. Ong and Mr. Yudelson.

8/26/13 – Raphael Ketani. Jane O'Connell, EG III and head of the superfund/brownfield unit in Region 2, sent me an e-mail dated 8/23/13 from Mr. Sherwood (former SCA consultant) with a picture showing the sheen on top of the water at Test Pit #5 and a map with the suggested locations for the new project monitoring wells.

9/26/13 – Raphael Ketani. Mr. McEachern (631) 321-4500/cell (516) 242-4981 called. He said that they are still negotiating the access agreement for installing the two wells under the school. He can't wait any longer to do the groundwater sampling. So he

will do the next scheduled round without samples from the two proposed wells. I told Mr. McEachern that would be fine given the circumstances.

10/22/13 – Raphael Ketani. Kimberly Ong of NYC Law (212) 356–2309 sent Mr. McEachern (631) 321–4500/cell (516) 242–4981 a site plan map from the SCA titled Test Pit 5.

11/18/13 – Raphael Ketani. I hadn't heard any news regarding the access agreement in a month. So I tried to contact Ms. Ong and Mr. McEachern, but I could only leave voice messages. I sent an e-mail to Ms. Ong, Mr. McEachern and Mr. Yudelson (917) 295–6449 regarding the same issue.

Later, Mr. McEachern called me regarding the site. He said that he met with Mr. Sherwood (from Cardno ATC; (516) 650–5290) and they looked over the school site and went over the possible well locations. According to Mr. McEachern, Mr. Sherwood recommended two well locations which were only 30 feet apart. Mr. McEachern told him that this didn't make sense as these wells were so close as to be in the same area. Mr. McEachern suggested moving one well further north so that it would be 50 feet from the other. Mr. Sherwood strongly disagreed and refused to accept Mr. McEachern's suggestion. Mr. McEachern then told Mr. Sherwood that he will sample the soil as he is drilling down into the ground and have the samples processed for VOCs and SVOCs. Mr. Sherwood told Mr. McEachern not to sample the soil. McEachern told me that he didn't know why. However, there is old MGP waste encapsulated nearby. So maybe, Mr. McEachern said, Mr. Sherwood doesn't want to have anyone prove that the waste is not fully encapsulated.

Next, I spoke to Ms. Ong. I explained to her what Mr. McEachern had just told me. She said that this was all new to her. She stated that she had been trying by phone for a long time to get ahold of Mr. McEachern and Mr. Yudelson to talk about the site, but no one returned her phone messages. She said that the access agreement had been finalized. All she needed was a map showing the two well locations.

As a last attempt, I sent Mr. Yudelson (917) 295–6449 another e-mail stating what Mr. McEachern and Ms. Ong had just told me.

Mr. McEachern (631) 321–4500/cell (516) 242–4981 had also told me that he is working on a work plan for conducting soil vapor extraction. He had been considering doing treatment solution injections and so he had contacted two companies that could supply the chemicals. He had contacted Regenesys and CleanOx and both of them told him that there were too many oxidizers and too much organics in the soil for the treatment solutions to be effective. So, soil vapor extraction seemed to be the best way to remove the remaining soil contamination. I told him that the product needed to be removed first. Mr. McEachern told me that he had done product removal from MW–6 and MW–27 and there is no product left in any of the wells. He added that the owner is anxious to finish this project. I told Mr. McEachern to forward the plan as soon as it is approved by the owner.

After the phone conversation and e-mail, I met with Sandra Martinkat, the project manager for the school site, and her supervisor, Jane O'Connell, regarding the well location and installation issue. Ms. O'Connell directed Ms. Martinkat to contact the consultant company for the Board of Education and find out which consultant is in charge of the school project. Then she should talk to him or her to try and get the well locations settled.

I sent an e-mail to Mr. Yudelson explaining what had transpired during the meeting with Ms. O'Connell and Ms. Martinkat.

Much later, Ms. Martinkat sent me an e-mail stating that the contact for the school project is Gilbert Gedeon of Cardno ATC. She had also sent Mr. Gedeon an e-mail with an attachment consisting of figures from this oil spill case showing the proposed new well locations, the present well and boring locations west of the schools, groundwater flow direction and total BTEX

concentrations.

Later, Mr. Gedeon responded by e-mail to Ms. Martinkat. In his e-mail, he included a plan showing the plumbing below the school and the proposed well locations. He stated that Mr. Sherwood had met with Mr. McEachern regarding placement of the wells. At Ms. Martinkat's request, Cardno ATC will contact me concerning this matter. Bernie Orlan of the DOE and the SCA are in agreement with the proposed well locations. However, before work can begin, he will need a copy of the access agreement and the plan showing the agreed upon well locations. Once he has these, then he will provide the 15 day notice to DEC, the Bronx Borough President's Office, the NYC Council Representative for the district and to Community Board 4 of the well installation date.

11/19/13 – Raphael Ketani. I responded to Mr. Gedeon's e-mail of 11/18/13 stating that the DEC wanted one well to be installed much further north and to have soil samples taken during the boring for analysis. I wrote that Cardno ATC must talk to Mr. McEachern and find out where he wants the wells to be and to settle this issue with him.

Later, Lee Guterman (718) 472-8502 of the SCA and her consultant, Mr. Sherwood, called me in a conference call to discuss the matter of the meeting with Mr. McEachern and the choosing of the well locations. Ms. Guterman stated that she said Mr. Sherwood thought that the access agreement didn't allow soil sampling. So he was not amenable to Mr. McEachern taking such samples. She said that the SCA was doing plumbing work for the school 2 years ago. Mr. Sherwood stated that test pit #5 was dug and liquid product was found. Mr. Martinkat and Gene (Jean?) were called. Pit #5 was remediated via in situ solidification of the MGP waste. Mr. Sherwood added that he believed the plume from the garage had worked its way around the solidified mass. He also stated that he wanted a well at pit #5 because there is product. I told him that the DEC wants one well to be placed about 50 feet to the north. Mr. Sherwood stated that he believed that if Mr. McEachern puts a well to the north, it will come up clean as wells that had previously been placed there were clean. He added that Mr. McEachern will take a sample from the well to the north and say it is not us, but the well to the south would be dirty and he will say it is the Department of Education. I told Ms. Guterman and Mr. Sherwood that I have enough experience managing oil spill cases and that I know the site, so that I will be able to tell whether the contamination is from the garage or not. Ms. Guterman stated that we know the unsaturated soils under the platform are historic fill with PAHs and MGP waste. So, Mr. McEachern will make the case that the contamination is due to the MGP waste on site. I told Ms. Guterman and Mr. Sherwood that I have had a lot of experience looking at the analyses for historic fill and that I had seen various types of historic fill. So I will be able to tell whether the analytical results are representative of historic fill or gasoline contamination – the primary waste from the garage. I added that Mr. McEachern had already collected the product on the groundwater below the garage. Mr. Sherwood stated that the wells in the southwest corner of the school site had been abandoned due to the solidification of the MGP waste and the other wells were destroyed during construction. Mr. Sherwood added that the contamination from the garage moved east and south. He stated that it smelled like gasoline and he saw a sheen. I told Mr. Sherwood that I was sure that was what he had smelled and seen. He added that there is a plume emanating from an upgradient source. Mr. Sherwood asked whether I will have Mr. McEachern take a sample for fingerprinting. I told him I will have him do this. Ms. Guterman asked me to keep my eyes and ears open. She added that it seems like you are aware of the situation. With that, the conversation ended.

11/20/13 – Raphael Ketani. I sent an e-mail to Mr. McEachern (m-kay-herm) stating that the DEC requires that a sample of the product, when found, be taken from the two wells to be installed for 8260 and 8270 analysis.

11/25/13 – Raphael Ketani. Moe Yaghoubi (212) 426-8400/moe@umdc.net (brother of Abbey, the owner of A Z Business – the owner of the parking lot at 180 E. 156 Street) called today. He wanted to know the status of the work at the parking garage. I told him what was presently taking place and that the DEC had approved the latest work plan for installing additional wells onsite and below the school. I told him that getting permission to install the wells below the school was taking a long time and was holding

up moving forward. However, the DEC was sure that this would take place. He asked me whether he could build on his property as there are DEC wells on his lot. I told him that since his property is not a spill site and since the groundwater flow and contamination has been defined, the DEC does not have a reason to hold up development of the parking lot. I asked him what he was going to build there. He said that one part of the property will be developed with a 10 story building. I asked him how far down is bedrock. He said that he had a survey done and it is 45 feet down. I told him that he will need a vapor barrier to protect the residents from any vapors coming from the groundwater. He said that he will do this. I added that if contaminated soil is found, then he or someone involved with the property will have to call in a spill to the DEC Spills Hotline. I stated that, as far as the wells on his property are concerned, the DEC would appreciate it if they could be reinstalled so that someone can enter the basement of the future building and sample them. Mr. Yaghoubi said that he will try to cooperate with the DEC. With that, the conversation ended.

11/26/13 – Raphael Ketani. Today I received the Phoenix Environmental Labs 8/1/13 analytical report for the groundwater samples that were collected on 6/25/13. The results were only for the VOCs. The wells sampled were MW-8, 9, 18, 22 to 25, 28, GW-1, 2, 4, 5, 7, 12 and 14. The results were: MW-8, 9, 18, 23, 24, GW-1, 2, 4 and 5 almost entirely non-detect with a few very low hits. MW-25: 6 low to moderate exceedences to 480 ppb total xylenes with the rest mostly non-detect and a few very low hits. MW-28: 7 high to very high exceedences to 2360 ppb total xylenes with the rest mostly non-detect and a few very low hits. GW-7: 8 moderate to very high exceedences to 1710 ppb total xylenes with the rest mostly non-detect and a few very low hits. GW-12: 10 moderate to very high exceedences to 7500 ppb 1,2,4-trimethylbenzene with the rest mostly non-detect and a few very low hits. MW-22: 8 high to extremely high exceedences to 13,800 ppb total xylenes with the rest mostly non-detect and a few very low hits. GW-14: 9 moderate to extremely high exceedences to 17,100 ppb total xylenes with the rest mostly non-detect and a few very low hits.

With the exception of the results from MW-25 and MW-28, it appears that the highest groundwater contamination is still under the garage itself.

11/26/13 – Raphael Ketani. Today I reviewed the Phoenix Environmental Labs 10/28/13 analytical report for the groundwater samples that were collected on 10/17/13 and 10/18/13. The results were mostly for the VOCs. The wells sampled were MW-8, 9, 18, 22 to 25, 26, 28, GW-1, 2, 4, 5, 7, 14, 15 and 16.

The results were: MW-9, 18, 23, 25, 26, GW-1, 2, 4, 5, 15 and 16 – either entirely non-detect, almost entirely non-detect with a few very low hits, some non-detects with very low hits, or very low hits and a small number of very low exceedences. There were some sets of data for SVOCs, but these were either entirely non-detect or almost entirely non-detect with some very low hits.

MW-8: 3 non-detects, 4 very low hits, 5 low exceedences, 2 moderate exceedences (middle to high double digits), 1 high exceedence to 163 ppb total xylenes GW-7: 5 non-detects, 1 low hit, 5 low exceedences, 2 moderate exceedences, 2 high exceedences to 165 ppb total xylenes MW-24: 4 non-detects, 1 low hit, 3 low exceedences, 2 moderate exceedences, 5 high exceedences to 690 ppb total xylenes MW-28: 6 non-detects, 2 low exceedences, 5 high exceedences to 680 ppb, 2 very high exceedences to 1830 ppb total xylenes MW-22: 5 non-detects, 2 low exceedences, 6 high exceedences, 2 very high exceedences to 5800 ppb total xylenes GW-14: 5 non-detects, 3 moderate exceedences, 3 high exceedences, 4 very high exceedences to 14,100 ppb total xylenes

The highest groundwater contamination still appears to be under the garage, but the concentrations in the samples are lower than the June 2013 round.

12/6/13 – Raphael Ketani. I reviewed the Soil Vapor Extraction Pilot Testing Work Plan dated 11/22/13. Mr. McEachern (631)

321-4500/cell (516) 242-4981 wrote that the highest soil and groundwater contamination concentrations are between GW-6 and MW-27 and between the garage east wall and GW-7. Removing soil is not possible at the site because of structural issues. However, it is possible to remove the contamination through soil vapor extraction (SVE) with the addition of oxygen to the saturated zone via air sparging. The test can be completed during 2 days of operation. Four (4) air sparging wells will be installed. The system equipment will be set up near the garage east wall near GW-6. The 4 sparge wells will be 1 inch in diameter and will be installed 10 feet from GW-6. GW-6 will be used as an SVE well, but if there is product, then GW-7 or MW-22 will be used. MW-22, GW-7, GW-5, MW-22 and GW-15 will be used to monitor the vacuum. Due to the condition of the wiring in the garage, a generator will be rented to run the equipment. The generator will be installed outside of the garage and will be capable of supplying 12,000 watts of power. The pilot test will run for 6 to 8 hours. It will run in the SVE only mode for 4 hours and will be followed by running for 2 hours in a combined SVE and sparging mode. The effluent air will be sampled using a Tedlar bag. The sample processing will be a 72 hour turnaround time. Groundwater will be sampled before the pilot test and within 48 hours of the end of the pilot test. The wells will be monitored for free product before and after the test. A results report will be submitted to the DEC.

I sent Mr. McEachern an e-mail approving the report. However, I told him that the generator will be noisy and will make a fair amount of exhaust. I then asked how he will deal with these issues when school will be in session. I also told him to call the DEC Air Division and see whether a permit is needed to exhaust the effluent vapors.

Mr. McEachern (631) 321-4500/cell (516) 242-4981 responded by e-mail that the amount of exhaust will not be more than a car or truck passing by as Concourse Village West has a fair amount of traffic. He thought the noise was not an issue, either. However, he will contact the Air Division and see if a permit is needed. Also, he has not heard anything from the Dept. of Education as regards the access agreement. I wrote back that he should contact Ms. Ong (212) 356-2309, the DOE attorney in charge.

Mr. McEachern responded by e-mail that the work can take place during a Saturday. So noise would not be an issue. However, he wrote that a well site map was sent to Ms. Ong. He also wrote that Mr. Sherwood did not want soil samples taken. A map showing the well locations picked by Mr. Sherwood and the locations picked by DEC was attached to the e-mail.

I contacted Ms. Ong and asked her whether she had received the well site map. She stated that she hadn't. I told her that the DEC wanted soil samples to be taken and that this was normal procedure, even when doing soil borings to install a temporary well. Ms. Ong stated that she will call Mr. McEachern.

2/5/14 – Raphael Ketani. As there have been no correspondences from Mr. McEachern (631) 321-4500/cell (516) 242-4981 regarding progress with the spill remediation, I sent Mr. Yudelson (917) 295-6449 an e-mail explaining that there was a lack of progress and asking him to see if there is a problem and whether he can get things moving again.

2/11/14 – Raphael Ketani. I called up Kimberly Ong of NYC Law (212) 356-2309 in order to find out what the status was of the access agreement. She said that the agreement was ready to go pending the map. I told her that I will send the map by e-mail. I added that things seem to be at an impasse. Ms. Ong said maybe a conference call with us, SCA and Mr. Sherwood would help move things along. I told her that would be a good idea and that I will include the times that I am available to have a conference call.

2/21/14 – Raphael Ketani. The conference call took place today at 9:00AM as planned. In attendance were Ms. Ong (212) 356-2309, Mr. Sherwood (631) 321-4500/cell (516) 242-4981, Lee Guterman (718) 472-8502 of the NYC SCA and myself. The conversation revolved around the placement of the proposed monitoring wells, the presence of the encapsulated MGP waste and the SCA's work to deal with the waste, the plume allegedly coming from the parking garage, soil sampling and the access agreement.

Ms. Guterman stated that the SCA was concerned that one proposed well would be too far north and would not show the gasoline contamination. She added that the result will be that Mr. McEachern will say that there is no gas contamination under the school. The SCA did its fair share of cleaning up the site. Ms. Guterman stated that the SCA wanted to be sure that the absence of the detection does not mean that there is no contamination. I stated that even if a groundwater sample from a well to the north doesn't show gas contamination, that doesn't mean that there is no information. Lack of any detections is still information for the DEC. Ms. Guterman said that she understood what I was saying. Mr. Sherwood stated that the groundwater flow had been defined as to the southwest from some upgradient source. He added that only the southwest most test pit (test pit #5) showed floating product. Mr. Sherwood stated Why don't we go with the 2 wells that the DEC is proposing and DEC would make a field call for a possible third well? Ms. Ong stated that she will put in the access agreement a provision for the possibility of a third well. Ms. Guterman said that our concern about the soil sampling was that Mr. McEachern would take the samples and claim that there is still MGP waste that hasn't been dealt with. Mr. Sherwood stated that MGP waste analyses look like historical fill analyses. There are a lot of PAHs. Mr. Sherwood added that if Mr. McEachern is taking the soil samples for waste characterization for disposal purposes, then he can understand this. I asked whether there was a cap under the schools. Mr. Sherwood stated that the entire area under the schools has a cap. The DEC didn't require a cover, but the community required the cap. So there is a concrete cap. Ms. Guterman stated that the contractor will have to follow the requirements set forth for doing work on the school property. She added that he will have to give 2 weeks prior notice to all parties before doing the work. I stated that the DEC is not concerned about any MGP waste that is under the schools as the SCA has already dealt with this. We just want to deal with the spill for this site (the garage). I told Ms. Ong to talk to Mr. Yudelso and explain to him what needs to be done and what the conditions of access and work are. Also, I stated that she should write a draft access agreement with a cover letter explaining all of the required conditions, and she should send it to Mr. Yudelso.

2/24/14 – Raphael Ketani. Mr. McEachern (cell (516) 242-4981) called me regarding an e-mail I had sent him and Mr. Yudelso on 2/21/14 containing the contents of that day's conversation with Ms. Guterman and Mr. Sherwood.

I explained that it meant he will have the opportunity to install as many as 3 wells and take soil samples. I added that the integrity of the concrete cap will have to be maintained and that he will have to have insurance in place and all of the paper work before he drills. Mr. McEachern said that he had already given this information to Ms. Ong and will gladly do it again.

Mr. McEachern added that he and other consultants looked over the garage last week as regards the SVE pilot study that will take place. Also, he got a quote from Brookside Environmental for abandoning the 5,000 gal. #6 oil AST in the partial basement.

4/10/14 – Raphael Ketani. A planned site visit and meeting took place with Mr. Yudelso (917) 295-6449. The idea behind the meeting was to show Mr. Yudelso where the two wells would be placed under the schools. I indicated what the direction of groundwater flow was (essentially northwest to southeast). Mr. Yudelso agreed that the flow was this direction. I also explained that one well would be directly in the flow path and south of the encapsulated area with the MGP waste. The other would be about 40 feet northwest of the first well. Mr. Yudelso asked whether a geoprobe could do the job. I told him to talk to Mr. McEachern because he knows the site conditions below grade. I also said that it would be better to go with a rotary rig because augers can move between any large debris that may be underneath. I told Mr. Yudelso that groundwater is close to the surface and that the two wells could be installed in one morning or afternoon. However, someone from either the School Construction Authority or the Department of Education will want to be there to oversee the work. I asked Mr. Yudelso to coordinate with these people. He said that he would. I showed Mr. Yudelso the platform and the steel pilings from a vantage point that was at the northern edge of the schools. Mr. Yudelso stated that he now understood what the site conditions were under the schools. Before the meeting ended, Mr. Yudelso added that Mr. McEachern was working on installing the SVE system. I told him to have Mr. McEachern send me an

update. He said that Mr. McEachern will. After this, the meeting ended.

4/24/14 – Raphael Ketani. Today I received an e-mail as a C-C from Mr. Yudelson. The e-mail was addressed to Louis Oliva, Chief Regional Attorney. The e-mail was the following:

I met with Rafiel at the site just before the holidays and will send Kimberly the agreement with minor comments in a day or two at most.

5/5/14 – Raphael Ketani. Mr. Yudelson (917) 295-6449 copied me in an e-mail to Ms. Ong. Attached to the e-mail was the current form of the draft access agreement. I forwarded the draft access agreement to John Urda of the Region 2 Office of General Counsel in order for him to review it as regarded the parts which included statements referring to the DEC.

5/7/14 – Raphael Ketani. Mr. Urda responded that the access agreement looked alright. I sent an e-mail to Ms. Ong and Mr. Yudelson stating that the DEC had no comments concerning the present form of the draft access agreement. A little while later, Ms. Ong called me and stated that Mr. Yudelson (917) 295-6449 had eliminated the option for the DEC to ask for more wells in the event that contamination is found. Mr. Ong (212) 356-2309 added that the SCA (Ms. Guterman) had concerns that the installation of only the two wells may miss the plume that is traveling under the school property. I told Ms. Ong that Mr. Yudelson and I had previously had a site visit where we had determined the flow direction which was downgradient from the garage. I added that we had therefore decided that two wells placed in the agreed upon locations indicated by Mr. McEachern's map would be sufficient to intersect any plumes emanating from the garage. Ms. Ong was still concerned about the deletion of this previously included condition for allowing the DEC to ask for more wells. I told her that she should set up a conference call so that she, Mr. Yudelson and myself can discuss this matter. She said that she will.

After this conversation, I talked to Mr. McEachern (cell (516) 242-4981). He told me that he had installed 2 sparge points last week in the garage. Right now, he is waiting to do the SVE pilot test. However, he has to schedule things with the contractor. The results will be used to design the full treatment system. Mr. McEachern expected to install the full system during the summer. He also mentioned that he had done the first quarter 2014 groundwater sampling and that he had the results and had made some maps. He stated that GW-6 had product back during 2013 and that MW-27 to the south was a hot spot. However, he didn't see oil in these wells during the first quarter 2014 round of sampling. I asked Mr. McEachern whether he could send me a quick compilation of the groundwater data and the maps ahead of the full report. He said that he could and will get them to me by e-mail soon. I told him that would be fine.

Later, Mr. Yudelson called me. He said that Ms. Ong will arrange a conference call in the near future with him, herself, me and at least Ms. Guterman in order to resolve the well placement issue. I told him that I would wait for Ms. Ong's appointment e-mail.

5/13/14 – Raphael Ketani. The conference call took place as planned. In attendance were Lou Oliva, Regional Attorney for DEC Region 2, myself, Ms. Ong, Ms. Guterman and Mr. Yudelson. The language of the latest draft was reviewed. The DEC expressed that it wanted the wells to remain available for quarterly groundwater monitoring. Ms. Ong said that this language was in the draft agreement. I also stated that the DEC wanted these wells available for contaminated groundwater recovery. Mr. Yudelson said that hydraulic controls would be instituted at the site so that the wells will not be needed for this activity. I reiterated that the DEC didn't want to loose any options at preventing contaminated groundwater from moving further off site. Ms. Ong said that if groundwater collection was needed, then a new access agreement would be written. Mr. Yudelson asked for an expiration date for the agreement and suggested June 15, 2015. Everyone agreed to this date. With that, the conference call ended.

5/16/14 – Raphael Ketani. Today I reviewed three maps that were sent by Mr. McEachern (cell (516) 242-4981). The first map had actual BTEX values in boxes with isopleth contours. Wells MW-6 and MW-27 were not sampled as they had contained product. GW-14 had the highest onsite concentration at 16,613 ppb total BTEX. Well MW-25 had the highest off site total BTEX concentration at 2,176 ppb. The second map had just the BTEX isopleth contours. The third map had groundwater elevation contours. The contours showed the general groundwater flow trend, but didn't demonstrate the true nature of the appearance of the plume.

5/23/14 – Raphael Ketani. I reviewed the Phoenix Environmental Labs 12/30/13 groundwater analytical report. Wells MW-8, 9, 18, 22 and 24 to 28 and GW-1, 2, 4, 5, 7, 14 and 15 were sampled on 12/16/13. MW-27 had VOC results of 4 exceedences from 81 ppb to 740 ppb and 7 high exceedences from 1300 ppb to 19,800 ppb. GW-14 had 4 non-detects, 4 low hits, 3 moderate exceedences from 220 ppb to 880 ppb and 4 high exceedences from 1300 ppb to 16,000 ppb. MW-22 had 3 non-detects, 4 low exceedences from 7 ppb to 71 ppb, 4 moderate exceedences from 120 ppb to 530 ppb and 3 high exceedences from 1300 ppb to 6400 ppb. MW-28 had 5 non-detects, 3 low exceedences, 3 moderate exceedences from 150 ppb to 970 ppb and 2 high exceedences from 1300 ppb to 3000 ppb. MW-8 had 4 non-detects, 3 low exceedences, 6 moderate exceedences from 46 ppb to 820 ppb and 2190 ppb of total xylenes. The highest VOC results were usually for total xylenes. The VOC results for all of the other samples varied from entirely non-detect to low hits and low exceedences. The great majority of the SVOC results for all of the samples were non-detect, very low hits and very low exceedences. The benzo series of analytes typically had from one to five species with moderate exceedences above their 0.002 ppb standards.

Next, I reviewed the Phoenix Environmental Labs 4/9/14 groundwater analytical report. Wells MW-18 and MW-23 to 26 and GW-1, 2 and 15 were sampled on 3/27/14. The VOC results for MW-18, MW-23, MW-24, GW-1, GW-2 and GW-15 were virtually entirely non-detect. The SVOC results were either all non-detect or mostly non-detect with a small number of low to moderate exceedences. MW-25 had almost no VOC detections with 6 low exceedences to 88 ppb, 4 moderate exceedences from 210 ppb to 590 ppb and 1590 ppb of total xylenes. The SVOC results were almost entirely non-detect. MW-26 had almost no VOC detections with 7 low exceedences to 77 ppb and 4 moderate exceedences from 110 ppb to 530 ppb. The SVOC results were almost entirely non-detect with one hit of naphthalene.

Lastly, I reviewed the Phoenix Environmental Labs 4/10/14 groundwater analytical report. Wells MW-8, 9, 22 and 28 and GW-4, 5, 7, 12, 14 and 16 were sampled on 3/28/14. MW-28 VOCs were almost entirely non-detect with 2 low exceedences, 5 moderate exceedences from 120 ppb to 620 ppb and 1400 ppb and 2500 ppb for high exceedences. MW-22 VOCs were almost entirely non-detect with 2 low exceedences, 4 moderate exceedences from 210 ppb to 430 ppb and 2290 ppb. GW-14 VOCs were almost entirely non-detect with 3 low exceedences, 4 moderate exceedences from 140 ppb to 910 ppb and 3 high exceedences from 1800 ppb to 14,800 ppb. MW-8 VOCs were almost entirely non-detect with 5 low exceedences and exceedences of 230 ppb, 480 ppb and 1220 ppb. GW-12 VOCs were almost entirely non-detect with 5 low exceedences, 3 moderate exceedences to 540 ppb and 2 high exceedences of 1500 ppb and 5300 ppb. The VOC results for the rest of the samples collected during this round were virtually entirely non-detect with only a small number of low hits and low exceedences. The SVOC results for all of the samples were consistently almost entirely non-detect.

5/29/14 – Raphael Ketani. Mr. Yudelson (917) 295-6449 told me today that the access agreement was finalized and that it was sent out for signatures.

6/30/14 – Raphael Ketani. Jennifer Dettinger from the OAG in Albany called and stated that Mr. Yudelson had called her and that he wanted to settle the PIN costs. I explained to Ms. Dettinger what the remediation status was and what had taken place in the past and what was supposed to take place in the future. She thanked me and said that she will call Mr. Yudelson later.

7/15/14 – Raphael Ketani. I sent e-mails to Mr. Yudelson and to Mr. McEachern (cell (516) 242-4981) requesting a progress update.

Mr. Yudelson responded to my e-mail and wrote that he had not received the signed access agreement from the City. So, I sent Ms. Ong an e-mail requesting that they forward the signed access agreement to Mr. Yudelson.

8/7/14 – Raphael Ketani. Mr. Yudelson (917) 295-6449 called regarding the site and Penta Realty. He said that the OAG was holding his client responsible for the entire \$250,000 cost recovery. He said that this wasn't fair to his client as the SCA and the gas station owner south of his client (180 E. 156th Street) also had responsibility for the groundwater contamination which was found. I told Mr. Yudelson that the contamination under the SCA (Department of Education) property was a separate environmental case and was MGP waste, not gasoline. I added that I couldn't remember the SCA being involved in an investigation whereby they charged the DEC under the PIN case. Then Mr. Yudelson stated that he wasn't sure they were involved in the investigation of the contamination from his client's site. However, he said, he had Sanborn maps which showed that the property to the south of his client's (180 E. 156th Street) had been a filling station and that they had their own contamination as a result. From the case notes, I told Mr. Yudelson that a GPR survey had been done in the past for the neighboring property. No tanks or piping were ever found. Mr. Yudelson commented that they may have removed the equipment. He added that it would look good for the DEC if they go to court. Mr. Yudelson also stated that his client can't make a profit with the parking garage and so he is looking to sell the property. He didn't know what would happen after that point. After this, the conversation ended.

8/25/14 – Raphael Ketani. I sent an e-mail to Ms. Ong and Mr. Yudelson regarding the status of the access agreement.

8/26/14 – Raphael Ketani. Today Ms. Ong sent me the executed access agreement. It was effective on 8/19/14.

9/11/14 – Raphael Ketani. Today I received an e-mail from Mr. Yudelson (dyudelson@sprlaw.com/direct (646) 378-7219/cell (917) 295-6449/office (212) 421-2150) stating that Ms. Ong had left the DOE law division and that he has been trying without success to move the project forward, but no one has taken over the case there. He asked that I reach out to them in order to get things moving.

I contacted the DOE law division (212) 356-2309 and spoke to a receptionist. She took my name and contact information and told me she would give my message to Susan Amron, chief of the division.

A little while later, Chris King (cking@law.nyc.gov) of the law division contacted me. He said that he will help get things moving, but he was only temporarily handling the case. I told him that would be fine. I sent him an e-mail with Mr. Sherwood's (631) 321-4500/cell (516) 242-4981, Lee Guterman's (718) 472-8502 contact information and Mr. Yudelson's contact information.

9/18/14 – Raphael Ketani. Mr. Yudelson contacted me via email and stated that no progress is being made regarding the project because no one at DOE contacted him. I found out that Bernie Orlan (cell (347) 386-4418) is the DOE contact for school property access. I left a message for Mr. Orlan requesting that he coordinate access with Mr. Yudelson and the DEC.

9/29/14 – Raphael Ketani. Mr. Yudelson sent me an e-mail stating that everyone met at the site and the wells under the school were installed this past weekend. Groundwater will be sampled in about a couple of weeks.

11/25/14 – Raphael Ketani. Mr. Yudelson sent me an e-mail stating that the sampling took place and now he is waiting for the results.

1/9/15 – Raphael Ketani. Yesterday, Mr. McEachern (cell (516) 242-4981) sent me two figures and 7 analytical reports for work that took place during 2014. The reports included the Phoenix Environmental Labs April 2014 analytical reports which had already

been received and reviewed. The two figures were drawings that had also been received and reviewed.

I reviewed the Phoenix analytical report dated 7/11/14 for the groundwater samples which had been collected on 6/26/14. The wells sampled were MW-18, GW-1, GW-2, MW-15, MW-28, MW-9, MW-8, GW-5, GW-4, MW-22 and GW-7. The results for MW-18, GW-1, GW-2 MW-15, GW-5 and GW-4 consisted of almost on VOC hits and only a small number of low exceedences for the SVOC analytes.

MW-28: 2 extremely high (1000 ppb or higher) VOC hits from 1100 ppb to 1490 ppb; 3 very high (250 ppb to 999 ppb) VOC hits from 390 ppb to 860 ppb; 2 moderate (26 ppb to 99 ppb) VOC hits; rest of the VOCs non-detect; there was a 120 ppb SVOC hit for naphthalene, but the rest were non-detect. MW-9: 3 moderate VOCs; 8 low (0.1 ppb to 25 ppb) VOCs; rest non-detect; the SVOCs were mostly non-detect with some low exceedences. MW-8: 1 high (100 ppb to 249 ppb) VOC, 3 moderate VOCs, 5 low VOCs; rest non-detect; the SVOCs were almost entirely non-detect. MW-22: 4 very high VOCs (270 ppb to 770 ppb); 2 high VOCs; 4 moderate VOCs; 2 low VOCs; rest non-detect; the SVOCs were almost entirely non-detect with some low exceedences. GW-7: 1 moderate VOC; 10 low VOCs; rest non-detect; the SVOCs were almost entirely non-detect with 1 low exceedence.

Next, I reviewed the Phoenix analytical report dated 7/24/14 for groundwater samples that were collected on 7/2/14.

MW-23: almost entirely non-detect; the rest below the TOGS 1.1.1 standards. MW-24: 3 very high analytes to 530 ppb; 110 ppb naphthalene; 4 moderate VOCs; rest low hits or non-detect. MW-26: 1100 ppb ethylbenzene; 5 high VOCs from 100 ppb to 560 ppb; 1 moderate VOC; rest low hits or non-detect. MW-24A: low hits and the rest non-detect.

I reviewed the 8/13/14 Phoenix analytical report for blanks dated 7/2/14 that were analyzed. There were no detections in the blanks.

The Phoenix report dated 10/6/14 was reviewed for samples that were collected on 9/26/14. The borings sampled were GW-17 and GW-18. Each was sampled at the 0-5 foot, 5-10 foot and 10-15 foot intervals. Later, these borings were finished as wells.

GW-17 (0-5): elevated PAHs but not much above the limits; VOCs were not tested for.

(5-10): VOCs well below the limits; no SVOCs

(10-15): no SVOCs; VOCs were not tested for GW-18 (0-5): 110000 ppb naphthalene, 38000 ppb 2-methylnaphthalene; benzo series SVOCs and

their combustion products 9000 ppb to 21000 ppb; other SVOCs 7700 ppb to 75000 ppb

(5-10): VOCs well below limits; moderate VOCs and 610 ppb naphthalene; benzo series SVOCs slightly greater than limits with naphthalene 2900 ppb

(10-15): SVOCs non-detect; VOCs not tested for

GW-17 (gw): 2994 total xylenes; 5 VOCs high to very high (up to 950 ppb); moderate VOCs; rest non-detect GW-18 (gw): 2500 naphthalene; 4 high VOCs; total xylenes 260 ppb; rest non-detect

Lastly, I reviewed the Phoenix 10/8/14 report for groundwater samples that were collected on 9/26/14. The wells sampled were

GW-2, GW-4, GW-5, GW-7, GW-12, GW-14, GW-15, GW-16, MW-8, MW-9, MW-18, MW-22, MW-23, MW-24, MW-25, MW-26 and MW-28.

GW-2: 3 high VOCs; 3 moderate VOCs; 5 low VOCs; 5 non-detect; low SVOC exceedences GW-4: 3 very high VOCs 300 ppb to 530 ppb; 1 high VOC; 4 moderate VOCs; 3 low VOCs; 4 non-detects; SVOCs all non-detect GW-5: 1 high VOC; 3 moderate VOCs; 6 low VOCs; 6 non-detects; SVOCs almost all non-detect GW-7: 3 very high VOCs 280 ppb to 580 ppb; 2 high VOCs; 4 moderate VOCs; 3 low VOCs; 4 non-detects; SVOCs almost all non-detect

GW-12: 6 extremely high VOCs 1200 ppb to 12200 ppb; 3 very high VOCs; 2 moderate; 1 low; 4 non-detect; SVOCs 1300 ppb naphthalene and 810 ppb 2-methylnaphthalene; rest of the SVOCs non-detect GW-14: 1 extremely high VOC to 2800 ppb; 2 very high VOCs; 2 high VOCs; 4 moderate VOCs; 2 low VOCs; rest non-detect; naphthalene non-detect; 260 ppb 2-methylnaphthalene; other SVOCs non-detect GW-15: 3 moderate VOCs; 7 low VOCs; 6 non-detect; SVOCs low exceedences and low hits GW-16: 2 high VOCs; 2 moderate VOCs; 4 low VOCs; 6 non-detects; 8.4 ppb naphthalene; 3 ppb 2-methylnaphthalene; rest of the SVOCs non-detect MW-8: 1 extremely high VOC 1280 ppb; 4 very high VOCs; 5 moderate VOCs; 4 low VOCs; 1 non-detect; 34 ppb naphthalene; SVOCs almost entirely non-detect MW-9: 4 moderate VOCs; 7 low VOCs; 5 non-detects; naphthalene 11 ppb; 2.1 ppb 2-methylnaphthalene; rest of the SVOCs non-detect MW-18: 3 very high VOCs; 1 high VOC; 3 moderate VOCs; 3 low VOCs; 5 non-detects; SVOCs almost entirely non-detect MW-22: 4 extremely high VOCs 1100 ppb to 3400 ppb; 2 very high VOCs (380 ppb naphthalene); 3 high VOCs; 1 moderate VOC; 2 low VOCs; 4 non-detects; 250 ppb naphthalene; 29 ppb 2-methylnaphthalene; other SVOCs non-detect MW-23: 3 moderate VOCs; 6 low VOCs; 7 non-detects; SVOCs mostly non-detect with some low exceedences MW-24: 3 moderate VOCs; 7 low VOCs; 6 non-detects; 6.8 ppb naphthalene; 1.9 ppb 2-methylnaphthalene; rest of SVOCs almost entirely non-detect with some low exceedences MW-25: 1 extremely high VOC 1180 ppb; 5 very high VOCs (280 ppb naphthalene); 2 high VOCs; 2 moderate VOCs; 3 low VOCs; 3 non-detects; 160 ppb naphthalene; 84 ppb 2-methylnaphthalene; the rest of the SVOCs non-detect MW-26: 4 moderate VOCs; 6 low VOCs; 6 non-detects; all SVOCs non-detect MW-28: 3 very high VOCs; 3 high VOCs; 3 moderate VOCs; 3 low VOCs; 4 non-detects; SVOCs all non-detect except 39 ppb naphthalene

Subsequent to my review of the data, I noted a number of deficiencies regarding the submission of the data:

1) maps were not provided for the June-July 2014 sampling or the September 2014 sampling which showed the total BTEX concentrations and the groundwater elevations. 2) there was no cover letter describing the work that had taken place nor the locations of GW-17 and GW-18. 3) there were no data summary tables which would have made the review much easier. 4) emails attached to the ends of some of the analytical reports described a number of instances of labeling problems whereby the samples indicated on the Chain of Custody sheets didn't match the bottle labels. 5) there was at least one instance of samples being held past the holding time because the lab was waiting for Mr. McEachern to get back to them regarding which samples had been delivered. 6) one email indicated that the sampling times were not indicated on the Chain of Custody form. 7) the data reports were very late and the results for the fourth quarter 2014 sampling round were never submitted.

I sent an email to Mr. McEachern and C-C'd Mr. Yudelson with the deficiencies and requesting that the missing information be provided, including the fourth quarter 2014 results.

1/30/15 – Raphael Ketani. I reviewed the SVE Extraction/Air Sparging Pilot Test Report dated 1/16/15. The tests were conducted on 7/2/14. The SVE test was run to see whether it was possible to extract gasoline vapors from the subsurface. The AS test was run in order to see the feasibility of injecting air into the groundwater. Both tests had limited success. Vapors could be extracted and air could be injected. Proposals were sent to Regenesys and Clean Ox regarding the use of treatment solutions for removing the contaminants. However, both companies declined to write proposals.

The blower was installed on GW-6. Before starting the test, water levels were checked at GW-2, 6, 7, 15, 16 and MW-22. An attempt was made to measure the vacuum at GW-7 and MW-22, but no vacuum was detected. A compressor was installed at SP-1 and SP-2. The groundwater levels were measured at GW-2, 7, 15 and 16 and MW-22. No groundwater level changes were seen. PID measurements were done at the pressure side of the SVE blower and the results were non-detect. Four (4) vapor samples were taken using Tedlar bags and the samples were tested via method 8260 for BTEX at the ppb concentration. The results for benzene were entirely non-detect. The results for ethylbenzene were mostly non-detect. Toluene and xylene were very low. The results suggest that fresh air was flowing beneath the garage floor and mixed with the SVE flow. The estimated yearly vapor recovery was 1.37 lbs.

Obstacles to the SVE method were the heterogeneous nature of the fill below the site and the presence of silt, clay and cohesive material which do not readily pass air. Adding additional blowers and additional sparge points could improve the results and the remediation of the product. However, the soil would continue to release gasoline into the groundwater and achieving the groundwater standards would not be likely. No other methods are viable. Excavation would have the greatest success at remediation, but the garage would have to be demolished.

Next, I reviewed the Installation of Monitoring Wells on NY City School Property Report dated 1/16/15. The wells were installed on 9/29/14. Previous investigations in the area revealed soil and groundwater contamination from the MGP waste. Wells GW-17 and GW-18 were installed. The borings were drilled to 15 feet below the concrete slab which supports the schools. Fill was encountered with glass, coal ash and brick with a tar like odor. No product or gasoline odors were encountered. Soil samples taken at 0-5 feet, 5-10 feet and 10-15 feet from each boring were analyzed via method 8270. The soil sample from 5-10 feet was also analyzed via method 8260 as this is the depth of the water table. The screens were 10 feet long. Three soil samples and 1 groundwater grab sample were collected from each boring. The groundwater samples were tested via method 8260 only as there was too much fine material in the samples for 8270 analysis. The results did not indicate contamination from gasoline. The soil and groundwater results are consistent with historical contamination at the school site. MC Environmental recommends surveying the wells in order that a groundwater flow map can be drawn. Also, they recommend developing the wells. If no gasoline indicators are detected after 2 rounds of sampling, then they recommend that the wells be abandoned.

Analytical results: SOIL: GW-17 = 5'-10' very low VOC hits

0'-5' low exceedences of most benzo series SVOCs, naphthalene was non-detect

5'-10' and 10'-15' completely non-detect

GW-18 = 5'-10' very low VOC hits

0'-5' extremely high exceedences for benzo series SVOCs in the tens of thousands of ppb, along with tens of thousands of ppb for most other SVOCs, naphthalene was 110,000 ppb

5'-10' all low hit SVOCs

10'-15' mostly non-detect

GROUNDWATER: GW-17 = 2994 ppb total xylenes, 910 ppb ethylbenzene, 810 ppb 1,2,4-

trimethylbenzene, 150 ppb naphthalene, 5 other VOCs from 12 ppb to 150 ppb

GW-18 = 260 ppb total xylenes, 210 ppb ethylbenzene, 150 ppb 1,2,4-trimethylbenzene, 2500 ppb naphthalene, 150 ppb benzene, 4 non-detects

My interpretation of the soil analyses is based upon the very high SVOC concentrations at and just below the surface of location GW-18. This is characteristic of historical fill, which is characteristic of this former Metro North train yard site. The high naphthalene hit at GW-18 is due to the presence of some MGP waste at this location.

However, from the groundwater analyses, I determined that there is some old gasoline contamination. This probably came from the parking garage site which is upgradient.

Monitoring of the site needs to continue no sooner than 1 month after the wells are developed. A groundwater flow map needs to be drawn.

5/7/15 – Raphael Ketani. I tried to contact Mr. Yudelson (dyudelson@sprlaw.com/direct (646) 378-7219/cell (917) 295-6449/office (212) 421-2150) regarding progress at the site, but could only leave a voice mail message. As direct contact was not successful, I also sent him an email.

Later, Mr. Yudelson sent me an email stating that he has reached out to Mr. McEachern in order to find out when the next round of groundwater results will be available.

6/1/15 – Raphael Ketani. I reviewed the Phoenix Environmental Laboratories 4/17/15 analytical report. Nineteen wells were sampled on 4/8/15. These wells were GW-1, 2, 4, 5, 7, 9, and 14 to 17, MW-8, 18, 22 to 26 and 28.

The results for GW-1, 2, 4, 5, MW-18, MW-23 and MW-24 were either completely non-detect or almost entirely non-detect with no more than several very low to low VOC hits (0.1 ppb to 24 ppb). GW-7 had 8 very low to low VOC hits. GW-16 had only 10 very low to low VOC hits. MW-26 had 10 low VOC hits and 1 moderate VOC hit (25 ppb to 99 ppb). GW-15 had 12 very low to low VOC hits and 2 moderate hits.

GW-9: 11 very low to low VOC hits, 1 moderate hit, 100 ppb ethylbenzene, 130 ppb m&p xylene GW-17 (under the school): 12 very low to low VOC hits, 3 moderate hits, 130 ppb 1,2,4-trimethylbenzene, 180 ppb m&p xylene MW-8: 7 very low to low VOC hits, 2 moderate hits, 1 high hit, 520 ppb 1,2,4-trimethylbenzene

MW-28: 11 very low to low VOC hits, 210 ppb m&p xylene, 220 ppb 1,2,4-trimethylbenzene GW-18 (under the school): 7 very low to low VOC hits, 3 moderate hits, 2 high hits, 1 extremely high hit (1200 ppb) MW-25: 3 low VOC hits, 1 moderate hit, 2 high hits, 1 very high hit, 4 extremely high hits (710 ppb to 1700 ppb) GW-14: 4 very low to low VOC hits, 1 high hit, 6 extremely high hits (630 ppb to 3100 ppb) MW-22: 2 very low to low VOC hits, 1 high hit (100 ppb to 199 ppb), 4 very high hits (200 ppb to 500 ppb), 4 extremely high hits (1700 ppb to 5500 ppb)

The SVOC results for all of the samples were entirely non-detect. The results for GW-17 and GW-18 were greatly improved over the previous sets of results.

6/22/15 – Raphael Ketani. I spoke to Mr. Yudelson (dyudelson@sprlaw.com/direct (646) 378-7219/cell (917) 295-6449/office (212) 421-2150) today regarding the work that has to take place at the site. He restated that the ultimate plan by the prospective purchaser is to dig out the contamination within the foot print of the garage. Mr. Yudelson added that the prospective purchaser may want to do an ORC treatment before the excavation. I told Mr. Yudelson that this would be fine, but that the Department would need a small work plan explaining the work that will take place. Mr. Yudelson said that this would be done. I also told him that at least two additional rounds of groundwater sampling will need to take place after the excavating in order to understand the extent that the groundwater is still contaminated or that the groundwater has cleaned up. Mr. Yudelson said that he was thinking that this should be done, too. I added that any wells outside the perimeter of the garage that are damaged by the excavating must be replaced. Mr. Yudelson said that this will be done.

8/24/15 – Raphael Ketani. I sent an email to Mr. Yudelson today. I asked him whether the site had been purchased and dug out or whether Penta One Realty still owned it and nothing was taking place regarding site remediation or monitoring.

9/2/15 – Raphael Ketani. Mr. Yudelson replied by email to my 8/24/15 email. He stated that the buyer did sign a contract of sale. Right now, he wrote, the buyer is working on a development plan. Mr. McEachern did a round of groundwater sampling recently and the report should be available soon.

10/28/15 – Raphael Ketani. I reviewed the MC Environmental, LLC 10/22/15 summary of July 2015 Quarterly Monitoring Report. A total of 20 wells were sampled during 7/27/15 and 7/28/15. The wells sampled were GW-1, 2, 4, 5, 7, 12, 14 to 18, MW-8, 9, 18, 22 to 26 and 28. Groundwater flow was determined to be towards the schools east of the garage.

BTEX results were shown on Figure 2 of the report for the 4/8/15 and 7/27/-28/15 rounds. However, BTEX alone is not sufficient for showing the full extent of the groundwater contamination. According to the laboratory analytical report contained in the Quarterly Monitoring Report, the total VOC and total SVOC results for the samples from wells GW-1, 2, 4, 5, 7, 15, 16, MW-9, 18, 23, 24 and 26 were either entirely non-detect or low in concentration and not indicative of significant groundwater contamination.

The BTEX and higher VOC analyte concentrations for the sample from GW-17 totaled 305 ppb. The higher concentration analytes included 1,2,4-trimethylbenzene at 120 ppb, 1,3,5-trimethylbenzene at 21 ppb, naphthalene at 48 ppb and n-propylbenzene at 46 ppb. The BTEX plus higher VOC analyte concentrations for the sample from GW-18 totaled 2428 ppb. The higher concentration analytes included 1,2,4-trimethylbenzene at 90 ppb, 1,3,5-trimethylbenzene at 27 ppb, naphthalene at 1800 ppb and n-propylbenzene at 10 ppb. The high naphthalene result and the presence of benzene and the xylenes were more indicative of MGP waste, which was supposedly encapsulated below the school.

The groundwater samples with significant contamination were as follows:

MW-25: 520 ppb 1,2,4-trimethylbenzene, 74 ppb 1,3,5-trimethylbenzene, 0 ppb benzene, 600 ppb ethylbenzene, 1540 ppb total xylenes, 220 ppb naphthalene, 120 ppb n-propylbenzene, 46 ppb toluene – total 3120 ppb BTEX + higher VOCs MW-28: 1100 ppb 1,2,4-trimethylbenzene, 120 ppb 1,3,5-trimethylbenzene, 0 ppb benzene, 560 ppb ethylbenzene, 1430 ppb total xylenes, 150 ppb naphthalene, 140 ppb n-propylbenzene, 0 ppb toluene – total 3500 ppb BTEX + higher VOCs GW-12: 3500 ppb 1,2,4-trimethylbenzene, 1200 ppb 1,3,5-trimethylbenzene, 0 ppb benzene, 15.7 ppb ethylbenzene, 10 ppb total xylenes, 72 ppb naphthalene, 390 ppb n-propylbenzene, 0 ppb toluene – total 5188 ppb BTEX + higher VOCs MW-8: 1500 ppb 1,2,4-trimethylbenzene, 420 ppb 1,3,5-trimethylbenzene, 9.9 ppb benzene, 1000 ppb ethylbenzene, 4000 ppb total xylenes, 210 ppb naphthalene, 120 ppb n-propylbenzene, 120 ppb toluene – total 7380 ppb BTEX + higher VOCs GW-14: 3400 ppb 1,2,4-trimethylbenzene, 810 ppb 1,3,5-trimethylbenzene, 0 ppb benzene, 1200 ppb ethylbenzene, 6000 ppb total xylenes, 660 ppb naphthalene, 270 ppb

n-propylbenzene, 89 ppb toluene – total 12,429 ppb BTEX + higher VOCs MW-22: 3300 ppb 1,2,4-trimethylbenzene, 790 ppb 1,3,5-trimethylbenzene, 0 ppb benzene, 1400 ppb ethylbenzene, 8600 ppb total xylenes, 570 ppb naphthalene, 320 ppb n-propylbenzene, 320 ppb toluene – 15,300 ppb total BTEX + higher VOCs

I found the report to be acceptable. However, there was one deficiency which was the lack of historical data tables with which to compare the results from round to round. Also, Mr. McEachern indicated in the report that he didn't believe it was necessary to have so many wells for the groundwater monitoring. He wanted to abandon some wells, or, at least, not sample them as often as in the past.

I considered his request regarding the wells and came to some decisions. From the results shown in the laboratory analytical report, there is high groundwater contamination at MW-8. However, this location is in the sidewalk and, from the project manager's professional experience, remediating the contamination here where there are utilities (or at least the utilities are very near) is not feasible. As regards the high concentrations at MW-25, total xylenes were 1540 ppb and benzene was 0 ppb. This suggests, along with the other VOC exceedences, the presence of old gasoline at an isolated location. According to Kevin Yaghoubi (212) 426-8400, myumdc@gmail.com, the parking lot at 180 East 156th Street will be developed. So, some of the contaminated soil may be removed. Mr. Yaghoubi's company is Upper Manhattan Development Corp., 1677 Lexington Avenue, NY, NY, 10029. Thus, the groundwater contamination at MW-25 is not a great concern. The sample results for wells GW-17 and GW-18 seem to indicate the presence of MGP waste, and so are not useful for monitoring the gasoline groundwater contamination from the garage.

This reduces the area of concern to the locations of wells GW-12, GW-14, MW-22 and MW-28 in the southeast corner of the garage. These wells are also near well MW-27 which has continued to have product. I determined that this was the area that the owner and Mr. McEachern needed to address. I sent an email approving the report and asking for the historical data tables with the October 2015 results. I also stated that the Department was granting the requests of Matel Realty and MC Environmental for abandoning wells GW-1, GW-17, GW-18, MW-8, MW-18 and MW-23 to MW-26. Lastly, I asked for documentation showing that the wells were abandoned properly.

11/25/15 – Raphael Ketani. Mr. Yudelsohn sent me an email stating that the garage property had been sold. He will send me the contact information.

Later, I checked ACRIS and found out that there was a new deed with a date of 11/23/15 for DAGNY Enterprises, LLC.

12/14/15 – Raphael Ketani. I sent an email to Mr. Yudelsohn requesting the new owner contact information and asking him whether he had made it clear to the new owner(s) that the soil contamination needed to be dug out and groundwater sampling needed to be continued.

Mr. Yudelsohn responded today and wrote that he will send the contact information very soon. He also stated in his email that he had informed the new owner about the need to excavate the soil contamination and continue the groundwater sampling.

12/15/15 – Raphael Ketani. Mr. Yudelsohn sent me the new owner's contact information:

DAGNY Enterprises, LLC, c/o Penny Hart, 200 East End Avenue, NY, NY, 10128 (pennyhart@aol.com). The purchaser's attorney was John H. Lee, Esq. of McNicholas & Lee, P.C., 240 West 38th Street, 2nd Floor, NY, NY, 10018, (212) 302-3999/john@m-l-c-lawyers.com.

12/17/15 – Raphael Ketani. As the ownership has changed and there still is product on the water table and high soil

contamination, I sent a STIP to Ms. Hart at DAGNY Enterprises, LLC with a due date of January 15, 2016 for the return of the signed STIP.

12/21/15 – Raphael Ketani. On 11/19/15, Mr. Lee had sent an email to a fellow co-worker, Tim Demeo (Environmental Engineer II in the Spills Unit), requesting that he close spill #1215394, which was opened due to integrity test failures during January 2013 for the 4,000 gallon AST in the partial basement (see the 1/22/13 and other January 2013 case notes for spill #0551708). Mr. Lee stated that this spill case was inaccurate and contradicted by the physical activity of the subject property as well as DEC records. Mr. Lee continued by explaining that the tanks and piping had been removed earlier. So nothing could be tested during 2013. Mr. Lee thought the spill case had been closed since September 12, 2006 and was later reopened. Mr. Demeo reviewed the information that Mr. Lee had provided and closed the spill case.

Later, on 12/17/15, Mr. Lee sent me an email requesting a conference call or a meeting in order to discuss why spill case #0551708 (this spill) was still open. He stated that he thought that the spill had been closed on November 20, 2015.

In response to Mr. Lee's emails, I sent him an explanation by email stating that there still was soil and groundwater contamination on site that needed remediation (see the 12/21/15 email). So the spill case could not be closed. I also stated that product must continue to be collected weekly at the well in the southeast corner of the property which has always had product. Lastly, I stated that quarterly groundwater sampling must continue. I attached to this email the same Stipulation Agreement that I had sent earlier to Ms. Hart. The deadline for the submission of the signed Stipulation remained as January 15, 2016.

12/28/15 – Raphael Ketani. Today I received the green return card for the Stipulation Agreement that had been sent out on 12/17/15. Thomas Golan had signed the card on 12/23/15.

1/20/16 – Raphael Ketani. Mr. Lee sent me an angry email stating that he thought spill case #0551708 should be closed. He also stated that he didn't understand how a tank could be integrity tested during 2013 when all of the tanks had been removed. He demanded a meeting to clarify the matter and threatened legal action (see DECdocs). He also remarked that because of the one open spill (#1215394), his client had to put \$950,000 in escrow. Mr. Lee made the statement Before you try to shove the Stipulation that imposes serious obligations and liability down the throat of the innocent principals of Dangy, there should be a clear and transparent disclosure of all details regarding the open spill as well as why the DEC website stated that it was closed as early as November of 2015. [I looked up the spill closure date for the spill #1215394 and it is November 24, 2015.]

1/21/16 – Raphael Ketani. I checked PBS record #2-610694. There is still only 1 tank registered. It is a 4,000 gallon UST which used to contain gasoline, but is now unregulated. This is the UST that is outside the garage footprint, but adjacent to its northeast corner. The removed four 550 gallon USTs and the existing 5,000 gallon AST (all within the garage footprint) were never registered.

1/27/16 – Raphael Ketani. An email was sent by Mr. Urda to Mr. Lee stating the work that was required to be performed at the site and some of the facts about the contamination and attempts at remediation in the past.

The email was as follows:

Site investigative work to date indicates dark soil staining and petroleum odors present at about 30 to 35 below grade, with bedrock at depths from about 35 to 44 feet. Some of the onsite wells are screened from 22 to 35 feet below grade.

The prior owner gauged groundwater monthly, and sampled groundwater for VOC analyses quarterly. A pilot test of the remedial method of air sparging/soil vapor extraction was conducted, but the results indicated that this would not be an effective means of remediation due to the varied character of the soil at the site and the resulting low product collection amounts. The Department suggests excavation as a remedial method for removing the contamination. This method has the advantage of removing the source – petroleum contaminated soil – and thereby quickly bringing the spill case to closure.

In addition to spill remediation, which will be governed by the Stipulation Agreement, the following work needs to take place:

1) The four 550 gallon gasoline USTs that were removed during 2007 must be registered in site's petroleum bulk storage facility, PBS record #2-610694. 2) The 5,000 gallon AST in the vault in the partial sub-basement must be cleaned out and abandoned in place (or removed) and then registered. 3) Product in well MW-27 needs to be collected weekly. 4) Monthly gauging reports must be submitted to the Department including the product thicknesses and the amount of product collected for each well containing product. 5) Quarterly groundwater sampling for VOC analyses: the analytical report must include a results summary table, the raw analyses from the laboratory and a groundwater flow map. Recommendations regarding future remedial measures or monitoring must be included in the report. 6)

Monitoring wells GW-17 and GW-18 (under the schools across the street) need to be abandoned in accordance with the CP-43 after permission is obtained from the NYC School Construction Authority in order to enter the property.

A groundwater well map and a groundwater flow map were included as attachments to the email.

Later today, a conference call took place with Mr. Lee (212) 302-3999/john@m-l-c-lawyers.com, Mr. Urda and myself. Mr. Lee had asked for the conference call in order to understand what was required by DEC in regards to remediating the spill. The conference call was technical.

I explained to Mr. Lee that removal of the contaminated soil would greatly reduce the groundwater contamination such that the post excavation results would likely be either non-detect or very low. I explained that the groundwater had to meet the TOGS 1.1.1 standards. I added that this would result in closure of the spill case after the Department receives two rounds of groundwater sample results with low concentrations. Also, I stated that by digging out the soil near MW-27, the groundwater and oil should empty into the area that was being excavated. This will aid in finishing the collection of the product and aid in remediating the site. Mr. Lee asked where his client would have to excavate. I told him within the southern half of the footprint of the garage. I added that the soil contamination was at about 30 to 35 feet down and so the excavating would have to go this far. Mr. Lee stated that he would use the environmental contractor Windmill. He added that he had used this company before on another project and had good results. I told Mr. Lee that he should be sure the staff at Windmill understand the State and local environmental regulations and laws and that they know the TOGS 1.1.1 standards and the soil cleanup standards. Mr. Lee stated that he would do this. He also stated that he believed he had to submit a document to the Department. I told him that he was correct. A remedial action work plan (RAWP) needed to be submitted to the Department explaining what his client and the contractor plan to do. I also asked Mr. Lee to keep staff at the Department informed regarding progress at the site. Mr. Lee stated that he would do this. With that, the conversation ended.

5/20/16 – Raphael Ketani. As there have been no submissions or emails from Mr. Lee, or his consultants, in 4 months, I gave him a call ((212) 302-3999/john@m-l-c-lawyers.com). However, I could only reach his receptionist. So I left my name and number and the

subject of my call. She said that he was in a conference and will call me back.

Mr. Lee called me back. He said that he had just received the proposal from the excavator (company that would do the digging). The proposal includes plans for the shoring, underpinning and other features involved in soil removal and site safety. They will excavate down to 35 feet. I told Mr. Lee that this is good as this is where most of the contamination lies. The plans took a long time as the property slopes in all directions. Mr. Lee said that he is presently preparing the scope of work. He expects to finish it and submit it to the DEC by sometime next week. Mr. Lee added that the budget from the contractor is \$3.5 million. However, the owner only has \$1 million in escrow. So Mr. Lee is looking for a way to finance the rest of the money. He found that the NYC Urban Housing Development office makes low interest loans to developers for housing that will include low income units. The type of building that will be constructed qualifies for the program. So, Mr. Lee intends to apply to them for the money, though the plans for development include a mixed residential and commercial building (parking garage in the sub-basement). This requires a zoning change. Mr. Lee talked to the NYC zoning office and found out that zoning changes take about 1 year. He then asked me whether I could expedite the change. I told him to send me the contact information for the person in the zoning office who will review the plans and I will send a letter requesting that the change be expedited so that the remedial work can take place. However, I told Mr. Lee that I couldn't guarantee that this will make the process go faster. Mr. Lee said that he understood and that he will get me the information next week.

6/23/16 – Raphael Ketani. As the plans had not been submitted, I sent Mr. Lee ((212) 302-3999/john@m-l-c-lawyers.com) the following email:

It has been one month since you had called the Department on 5/20/16. You had stated that the "plans" for the remediation of the spill (spill #0551708) would be sent the following week. As of the date of this email, the Department has not received the Remedial Action Work Plan (RAWP). Also, we have not received any progress updates. We are concerned that no remedial work is taking place and can only assume that this is the case as there is no proof to the contrary.

May I remind you that your client, DAGNY Enterprises, LLC, was sent a Stipulation Agreement (Stip) on 12/17/15 with a due date of January 15, 2016. The Stip was sent to Ms. Hart. The green return card had been signed by Thomas Golan on 12/23/15.

The Corrective Action Plan, which is part of the Stip (see attached), states that the RAWP must be submitted within 30 days of the effective date of the Stip. Though the original signed Stip was never returned, DAGNY Enterprises, LLC is still bound by the Stip as they have received it. As we have not received the RAWP, DAGNY Enterprises, LLC is in violation of this Stip. Please submit the Remedial Action Work Plan by email by July 8, 2016 or your client can and may face legal actions and fines.

7/11/16 – Raphael Ketani. Mr. Lee sent me an email with attachments on 7/8/16. In his email he stated:

I apologize for my late response but due to family issues, I have been putting out fires for the past two weeks. I have been working on the RAWP since we last spoke and have gathered a development team that is currently working on the plans for demolition and excavation to remove the contaminated soil going down to approximately 35 feet for the entire lot and even deeper in areas with further soil contamination. We will have an environmental engineer on site to monitor the soil during the excavation.

As I have stated during our last conversation, the sole principal of DAGNY, Ms. Panny Hart is committed to extract all the contaminated soil as quickly as physically possible. However, the actual design and approval process together with actual funding to undertake the entire project is taking longer than expected.

We have not retained an environmental engineer at this time since we have not received any approval for the actual demolition plans from the NYC Department of Buildings as well as funding from the NYC Urban Housing Development.

In the meantime, I will have Ms. Hart sign the required stipulations and commitments required by DEC.

Please advise us on how we should proceed to address the environmental issues in the interim during the period that we are seeking approvals and funding. Ms. Hart has committed to developing this site for NYC's affordable housing units and is expected to receive 90% of the funding from the NYC and NYS.

----- The attachments to Mr. Lee's email included plans for the development of the site, a letter from Choi Design Consulting Inc. (architects), a letter from NY Construction Work Inc (excavation work, foundation work, shoring, under pinning, slabs concrete) and a Phase I report from Odelphi Environmental Inc.

I responded today to Mr. Lee's email. I stated that the work indicated in Mr. Urda's 1/27/16 email to him must still take place.

7/12/16 – Raphael Ketani. Mr. Lee sent me an email requesting that the DEC not require any environmental work to be performed (i.e. collection of product) until the building demolition, site excavation and development take place. He also stated that all of the oil tanks had been registered. A 11/3/15 P.W. Grosser Summary of Environmental Conditions report was attached to the email. In the report, the four 550 gallon gasoline USTs and the 4000 gallon gasoline UST in the southeast corner of the 757 Concourse Village West property were discussed.

I researched the PBS registration for the site. I looked for registrations under the following addresses: 751 Concourse Village West; 757 Concourse Village West; 173 East 156th Street. I found only PBS case #2–610694 for 751 Concourse Village West. The PBS case listed only a 4,000 gallon UST that had contained gasoline, but was now converted to non–regulated use. In the above case notes, I did find notes that confirmed the existence of an AST in a partial basement below the garage office. One note stated that the tank had a capacity of 5000 gallons. Another note stated that the tank had a capacity of 2000 gallons. I had seen the tank for myself a few years ago and noted that it was relatively small – about 2000 gallons. Mr. McEachern of MC Environmental had informed me that there was about 15 inches of old fuel oil AST inside the basement boiler room.

I sent a response email to Mr. Lee with the information in the above paragraph of the notes. I also sent him the list of environmental remediation tasks that had been sent to him by Mr. Urda on 1/27/16 and included the following:

1) The four 550 gallon gasoline USTs that were removed during 2007 must be registered in site's petroleum bulk storage facility, PBS record #2–610694. 2) The 5,000 gallon AST in the vault in the partial sub–basement must be cleaned out and abandoned in place (or removed) and then registered. 3) Product in well MW–27 needs to be collected weekly. 4) Monthly gauging reports must be submitted to the Department including the product thicknesses and the amount of product collected for each well containing product. 5) Quarterly groundwater sampling for VOC analyses: the analytical report must include a results summary table, the raw analyses from the laboratory and a groundwater flow map. Recommendations regarding future remedial measures or monitoring must be included in the report. 6)

Monitoring wells GW–17 and GW–18 (under the schools across the street) need to be abandoned in accordance with the CP–43 after permission is obtained from the NYC School Construction Authority in order to enter the property.

7/13/16 – Raphael Ketani. Mr. Lee sent me an email stating that the owner had retained a contractor to assist in registering the fuel tanks and abandoning the wells under the school, GW-17 and GW-18. The contractor is: Lee Selinger, Windmill Oil Tank Services, Inc., emails to Mandy@WindmillOilTankService.com, (631) 360-8901.

Mr. Lee also wanted the contact information for Mr. McEachern in order to find out whether wells GW-17 and GW-18 had been abandoned. As the case notes do not indicate that these wells were properly abandoned, I sent him information about all of the parties who may need to be contacted in order to perform the abandonment work. They are:

Bernie Orlan (cell (347) 386-4418) – the DOE contact for school property access Mr. McEachern ((631) 321-4500/cell (516) 242-4981) – the prior garage consultant who had supervised the well installations Mr. Sherwood from Cardno ATC; (516) 650-5290) – the consultant who was involved with the School Construction Authority when SCA wells were installed below the school Kimberly Ong, New York City Law Department (100 Church Street, NY, 10007, (212) 356-2309) – she drafted the access agreement that allowed for Mr. McEachern and his crew to enter the school property and install wells GW-17 and GW-18.

7/19/16 – Raphael Ketani. Today Mr. Lee sent me an email with revised PBS registration #2-610694. The form does not show the 5000 gallon gasoline UST which is adjacent to the northeast corner of building footprint. The document was forwarded to Leszek Zielinski, EE II and head of the PBS Unit in Region 2. Mr. Lee stated in his email that they are planning to inspect the 2000 gallon heating oil AST in the partial basement under the building.

7/20/16 – Raphael Ketani. Today Mr. Lee carbon copied me on the following email to Ms. Holden of NYC Law:

Dear Ms. Holden (maholden@law.nyc.gov):

It was a pleasure speaking with you this morning and thank you for clarifying that Ms. Kimberly Ong is no longer with your office. As I have stated during our conversation, I represent the new owner of the property located at 751 Concourse Village West; 757 Concourse Village West aka 173 East 156th Street. Due to an environmental condition at the subject property, the previous owner pursuant to DEC request installed two ground wells (#17 and #18) at the school across the street and your office provided access agreement in order to grant access to the school to install the ground wells. After extensive monitoring and with evidence of non-contamination, the DEC has requested that my client take active measures to abandon the two ground wells (#17 and #18) follow the guidance in Commissioner's Policy CP-43.

With this email, I am requesting your assistance in providing our environmental contractors with the necessary permission by a way of an another Access Agreement to formally gain access to abandon (fill the wells up with cement) the wells.

I am always available to discuss this matter and feel free to contact me on my cell at 201-786-3599 (24/7).

I thank you in advance for your assistance and cooperation.

7/21/16 – Raphael Ketani. Mr. Lee carbon copied me in an email to Mr. Leszek Zielinski, EE II and head of the Region 2 PBS Unit. He sent Mr. Zielinski a copy of the deed for the property showing his client as the current owner. He also had communicated with Tim DeMeo of the Region 2 Spills Unit on 11/19/15 regarding the tanks. Mr. Lee stated that the tanks were removed during 2007. So the PBS case was closed. Lastly, Mr. Lee stated that the environmental contractor, Windmill, had entered the basement and found that the 2000 gallon tank had been removed.

Later, Mr. Lee sent me a letter written by Windmill describing what they had found when they entered the partial basement. They saw that the 2000 gallon AST had been removed and the pipes that had been connected to the tank had been cut and filled with cement. Mr. Lee asked how the tanks that were on site should be registered. I wrote that he should contact Mr. Zielinski regarding this matter.

7/25/16 – Raphael Ketani. Mr. Lee((212) 302-3999/john@m-l-c-lawyers.com) called me today. He said that there was \$950,000 in escrow for doing environmental work. However, he was wondering whether the spill could be closed by just getting good groundwater results from MW-27. I told him that MW-27 consistently has product in it. If his consultant takes a groundwater sample from this well, the results will be very high due to the dissolved product. The spill case could never be closed with such results. I added that his consultant needed to continue to collect the product and send me a product thickness and volume report after each collection event. Mr. Lee asked whether excavating the contaminated soil could result in the closing of the spill case. I told him that until the contaminated soil is excavated, the product will never disappear. However, once the contaminated soil is removed, then the product will drain into the pit and his crew can finally capture all of the product and finish the remediation. Mr. Lee said that he understood and the conversation ended.

Later, Mr. Zielinski sent the following email to Mr. Lee:

After reviewing all information NYSDEC has, DEC attorney John K. Urda, Esq., has advised (copied on this e-mail) there is no need for registrations of tanks that had been removed before the current owner bought the property. DEC has ample evidence of the tanks at the subject property. The previous owner had attempted to register one of the tanks, but the application has not been processed since some items were missing.

1/24/17 – Raphael Ketani. Today I received an email as a C-C. The email had been sent as a response from Jeffrey Vought of DEC to Shaminder Chawla, Deputy Director in the Mayor's Office of Environmental Remediation. In the original email, Mr. Chawla had written that his office had been approached by the developer of 180 East 156th Street regarding conducting an investigation and remediating this property prior to development.

I responded directly to Mr. Chawla and told him that the property 180 East 156th Street WAS NOT where spill #0551708 had taken place. I added that this was a downgradient location. The spill actually took place at the garage at 173 East 156 Street across the street to the north.

2/22/17 – Raphael Ketani. As no information has been forthcoming regarding the site since July 2016, I sent an email to Mr. Lee((212) 302-3999/john@m-l-c-lawyers.com) requesting an update concerning remedial progress at the site. I also informed him that, as the spill has not been remediated, his client, DAGNY Enterprises, was still in violation of Section 176 of Article 12 of the Navigation Laws and the Stipulation Agreement. I set a date of March 21, 2017 for submission of the RAWP or else fines and/or legal action may be instituted.

4/14/17 – Raphael Ketani. As no information has been forthcoming regarding the site since July 2016, I sent an email to Mr. Lee((212) 302-3999/john@m-l-c-lawyers.com) requesting an update concerning remedial progress at the site. I also informed him that, as the spill has not been remediated, his client, DAGNY Enterprises, was still in violation of Section 176 of Article 12 of the Navigation Laws and the Stipulation Agreement.

6/9/17 – Raphael Ketani. I tried to contact Mr. Lee by phone, but could only reach the receptionist at the law office. I told her

that the DEC had tried to reach Mr. Lee and that we never received a response back. I added that his client, DAGNY Enterprises, was in violation of Section 176 of Article 12 of the NAV Law and in violation of the Stipulation Agreement. I explained further that as it appeared that Mr. Lee's client was not taking these violations seriously, the Department is taking the next step before legal action by sending a letter requesting remedial action or else fines and legal action can and may be instituted. The receptionist said that she understood. She talked to Mr. Lee's assistant (Mr. O?) and then told me that she will give Mr. Lee the message. With that, the conversation ended.

6/12/17 – Raphael Ketani. A new Stipulation Agreement with a CAP was sent to Ms. Hart (pennyhart@aol.com) and Mr. Lee [(212) 302-3999/john@m-l-c-lawyers.com] requiring that DAGNY Enterprises, LLC conduct environmental monitoring and remedial actions in order to resolved the spill at the site. As a first step, the Department required that a representative from DAGNY sign the Stipulation and return it to the Department by June 23rd, 2017. Failure to sign and return the Stip would result in legal action and fines.

I spoke to Mr. Lee by phone this afternoon as I had heard from his assistant, Sonia Kara, that he had wanted to have a conference call to discuss the case. We set up 10 AM on 6/13/17 as the time for the call.

6/13/17 – Raphael Ketani. The conference call took place as planned. In attendance were Mr. Lee, John Urda (Region 2 DEC Assistant Regional Attorney) and myself.

Lee: We received the Stipulation Agreement. I advised my client to sign it. She'll sign it before the deadline. We originally worked with the City and the State and hired a consulting firm run by Al Damato to go through channels. We went to the Borough President's office and were discouraged from building affordable housing. We were told that there is enough affordable housing in the area. They said they wanted commercial development. We couldn't piggyback on permits for the adjoining property. So we decided to go commercial. We will have LOI get funding. There will be 3 levels of parking so that we can excavate enough for the development. My client is struggling as rent for parking doesn't even pay the real estates taxes. She is signing up clients for commercial space in order to get money. She may run out of money anyway. Is there funding with DEC in order to get money to cleanup the site?

Urda: Nothing that I know of. As long as the Stipulation Agreement is in place and your client does monitoring, then she doesn't need to do the dig out right now.

Ketani: We need a schedule. As long as your client does the monitoring and product collection and we get the reports, then this is fine.

Lee: During the past year, my client spent \$90,000 for the architect and \$30,000 for lobbying. We had Windmill consultants check the monitoring well and they determined that the product is coming from all over.

Urda: We want Windmill to continue monitoring and do the work plan. Submit a deadline you are comfortable with.

Ketani: The schedule can't be open ended.

Lee: We agree that there can't be an open ended spill case. We have a triple net lease for the empty property. A charter school wants to build a building there. It's a 12 month lease. This will give us funds for developing the other half of the property. We should have a response for the lease this week.

Urda: We will take another look at the Stipulation.

Lee: We are taking a look at closing the wells under the school. We just need the access agreement.

Urda: We will confirm the Stip is alright or send a revised one. (With this, the call ended.)

A Stip with the same language as the one sent on 6/12/17 was sent via email to Ms. Hart and Mr. Lee with a revised CAP. Item 1 of the CAP now stated that the RAWP must include the five tasks that were listed in the 6/12/17 cover letter which had accompanied the previously sent Stip and CAP. The five tasks must commence immediately (see above 1/27/16 case note).

6/20/17 – Raphael Ketani. Today I received the green return card that was attached to the envelope containing the Stipulation Agreement. It was signed by a person named Conner(?) and dated 6/15/17.

7/7/17 – Raphael Ketani. The Stipulation Agreement was never returned, nor was a RAWP submitted. The Department never received any reports, emails or phone calls from DAGNY Enterprises, LLC indicating that any remedial work was taking place. In light of all this, a legal referral for this spill was made today to the Region 2 Office of General Counsel.

11/3/17 – Raphael Ketani. Today, Mr. Lee [(212) 302-3999/john@m-l-c-lawyers.com] sent an email with the Stipulation. It had been signed by Ms. Hart with today's date. He wrote in his email that he would be available for a conference call with Rachel Seebacher, Assistant Regional Attorney for DEC, and myself on Thursday, November 9th.

11/9/17 – Raphael Ketani. Mr. Lee sent a CDSP Proposal dated 11/3/17 for the scope of work to be performed at the site. The work included abandoning wells MW-17 and MW-18, opening up the #6 oil AST in the partial basement, removing the contents, cleaning it, filling the tank with concrete and removing the tank from the PBS registration, collecting product weekly for one quarter from all wells where product is found, quarterly well gauging, collect groundwater samples quarterly from 18 wells, determine flow direction and submit a quarterly progress report to the DEC.

I responded to Mr. Lee by email and stated that the AST must continue to be listed on the PBS registration, except that its status will change from active or not in use to abandoned in place. I added that there is a code for this status. Additionally, I wrote that the groundwater monitoring and gauging must take place quarterly and the product collection must take place weekly until the spill is remediated by digging out the contaminated soil. Each monitoring/status report submitted to the DEC must include product thickness tables with results for each well. There must also be a product collection table (gallons) listing each well with product during that week with the cumulative total product amount listed at the bottom right hand corner. Quarterly groundwater analytical results must be presented in the reports and must include a summary table listing the STARs group of 13 chemicals plus BTEX.

A conference call took place between Mr. Lee, Ms. Seebacher and myself regarding resolving the spill. Ms. Seebacher asked Mr. Lee for a Stipulation with Ms. Hart's original signature so that the Regional Attorney can sign it, the Stip can be executed and returned to Ms. Hart and Mr. Lee. Mr. Lee said that Ms. Hart would be away for 2 weeks. So, the Stip will not be signed during this time. Ms. Seebacher also told Mr. Lee that the DEC needed written confirmation that the changes and comments made by the DEC regarding the CDSP proposal were acceptable to Ms. Hart. Mr. Lee said that he will present the changes and comments to Ms. Hart.

Mr. Lee also stated that the consultant had worked with the DEC, specifically myself, before and so he was sure the plan would be properly acted upon. I had no comment. Mr. Lee finished the conversation by stating that he will get the signed Stip with the original signature and the revised proposal to the DEC in 2 weeks time. Ms. Seebacher stated that if the documents are not received by November 23rd, then she will call him. With that, the conference call ended.

11/21/17 – Raphael Ketani. Ms. Seebacher [(718) 482-6471/rachel.seebacher@dec.ny.gov] sent an email to Mr. Lee [(212) 302-3999/john@m-l-c-lawyers.com] stating that she was checking on when the Department could expect to receive the Stip with the original signature of Ms. Hart. She also asked whether the changes to the scope of work had been discussed with Ms. Hart.

There was no immediate response from Mr. Lee.

12/6/17 – Raphael Ketani. Shawan (sha-won) Edwards of Civic Builders (212) 571-7265 called today. She said that her company was interested in developing 757 Concourse Village West (the property adjacent to the north to the parking garage) and she also wanted to know the status of 751 Concourse Village West (the garage itself). She said that they were negotiating a long term lease with DAGNY. Ms. Edwards added that her purpose in calling was to verify the conditions at the properties. She said that she had received a copy by email of an approved work plan. I told her that we had approved the plan, but DAGNY is eventually supposed to excavate the building footprint in order to remove oil contamination below. I added that there were other issues, but the DEC computer system was down right now and so I couldn't tell her what they were. She said that she will call back another day.

12/7/17 – Raphael Ketani. As of today, the Department still has not received the Stip with Ms. Hart's original signature.

I tried to contact Ms. Edwards today, but could only leave a message that the Department had not received the signed Stipulation from Ms. Hart of DAGNY. I added that the Stip was a type of contract and without the contract available for our signature, the work plan was not valid.

1/10/18 – Raphael Ketani. Ms. Seebacher sent an email to Mr. Lee explaining that DEC was giving his client (DAGNY) one last chance to submit the signed Stip. If the Stip is not received ASAP, then the DEC will proceed with enforcement action regarding violations of the ECL and NYCRR.

Mr. Lee responded to Ms. Seebacher shortly after her email was sent to him. He included an attachment to his email which contained a copy of the FEDEX shipping bill for a package containing the Stipulation that was signed by Penny Hart on 11/3/17. He stated in his email that Ms. Seebacher would receive the signed Stipulation Thursday morning 1/11/18.

1/11/18 – Raphael Ketani. Ms. Seebacher [(718) 482-6471/rachel.seebacher@dec.ny.gov] sent an email to Mr. Lee [(212) 302-3999/john@m-l-c-lawyers.com] stating that the DEC had received the signed Stip and that it was forwarded to the regional director for his signature. She added that the fully signed Stip will soon be sent back to him.

1/22/18 – Raphael Ketani. Today, the Stipulation Agreement was signed by the Region 2 director, Steve Zahn, and became effective.

1/29/18 – Raphael Ketani. As of today, the Department still hasn't received the excavation RAWP, nor groundwater monitoring & product recovery report. Also, there has been no contact by Mr. Lee.

4/5/18 – Raphael Ketani. Today, Ms. Seebacher left more phone messages with Mr. Lee's secretary. Messages left during February and March were not returned.

4/23/18 – Raphael Ketani. As of today, there has been no response from DAGNY regarding the submission of a work plan, nor the return of phone messages left by Ms. Seebacher.

05/03/18: This spill case transferred from R. Ketani to J. Kolleeny. – JK

05/11/18: I sent email to RP's atty, John Lee: Mr. Lee: I am writing to inform you that former NYSDEC case manager for this spill case, Mr. Raphael Ketani, has retired, and that I am now Dept's manager for this spill case. Review of our files indicates that your client, Ms. Penny Hart, signed a Stipulation Agreement, effective on Jan. 22, 2018, committing to performing cleanup of spill in a timely manner. Corrective Action Plan included in Stipulation Agreement required that a RAWP proposing actions to address spill be submitted to Dept within 30 days of effective date of Agreement. However, to date a RAWP has not been received. Dept requires that a RAWP be submitted by no later than June 1, 2018. Failure to submit a RAWP by this deadline may result in our Office of General Counsel initiating an enforcement action against your client. Please confirm your receipt of this email, and feel free to contact me if you have any questions. – J. Kolleeny

05/11/18: Received email from Dan Yarom of CDSP Corp with an attached 1–page memo indicating that he has been retained by property owner to clean up & close spill, they have removed old tank that was not being used (also attached is tank removal rpt for 2,000–gal heating oil AST), they started doing weekly VEFR as directed by Mr. Ketani, in mid–June they will sample wells and submit a rpt. Memo & tank removal rpt in DecDocs. I sent email reply: Mr. Yarom, Thank you for your response and for submitted documents. There are some things in your Memo that are not entirely clear to me. You stated that CDSP “start doing VEFR on a weekly basis” as instructed by Mr. Ketani. Does this mean you have already started performing weekly VEFR at site, or that you plan to begin performing VEFR on a weekly basis? If you’ve already begun performing weekly VEFR, when did these events begin, and do you have any data you can submit? VEFR was proposed in a scope of work submitted to Mr. Ketani in Nov. 2017; that scope also included quarterly GW monitoring and submission of quarterly rpts. Has any GW sampling been performed since Nov. 2017? It’s my understanding, based on notes in spills database and my discussions with Mr. Ketani, that he approved actions proposed in your Nov. 2017 scope of work as IRMs, to be performed until soil beneath building footprint at site can be excavated. Stipulation Agreement with your client was executed in Jan. 2018, and that Agreement required submission of a RAWP for site, so it’s clear that Nov. 2017 scope of work was not considered to be a RAWP. I need to receive a formal RAWP for this project, summarizing spill history, investigative and remedial work performed to date, and current on– and off–site conditions; and proposing a comprehensive remedial plan to clean soil & GW and bring about spill closure. RAWP should include data tables with free product measurements and recovery data and GW sampling results, and site plans showing well locations (and other sampling locations), former tank location, and local GW flow direction. It should also include an implementation schedule. Finally, tank closure rpt you submitted recommends that tank be removed from PBS registration. I want to confirm, have you submitted a PBS Info Correction form to our PBS unit? This is what is needed to remove tank from registration. Please confirm that you will submit required RAWP by deadline of June 1, 2018. Feel free to call me to discuss this site. – J. Kolleeny

05/11/18: Received email reply from Dan Yarom with attached 1–page memo stating that CDSP began VEFR in March 2018, that their 1st quarter will end in mid–June so they will sample GW then, and a rpt will be prepared & submitted by Seacliff Env'tl (Jim DeMartinis); also asked that June 1st deadline be extended to on or about July 1, 2018. – J. Kolleeny

07/17/18: Received email from Jim DeMartinis of Seacliff Env'tl: Jon, I have been formally retained by Dan Yarom to help him with this spill. I am trying to get up to speed and Dan has and will be providing me what information he has. He did sample wells in June and attached is a data summary table and lab rpt. Are you looking for a RAWP or a quarterly rpt summarizing data with a recommendation for continued VEFR? I sent reply: Jim, According to notes in our database left by previous DEC project manager,

Raphael Ketani, we were expecting to receive a RAWP proposing excavation of bldg footprint at site. It's my understanding VEFR was approved by Ketani only as an IRM. If there's been a change and there is no longer an intention to remediate site by excavation, we still need to receive a formal RAWP as required by signed Stipulation Agreement. I explained this to Dan Yarom in my email dated 5/11/18 (attached). You can include June GW data in RAWP, or prepare a separate monitoring rpt with data (and also submit a RAWP), but either way I need to see a site plan showing all well locations and GW flow direction to evaluate GW data. Please let me know if you have any questions. I reviewed June 2018 GW data (in DecDocs), results show wells with significant contaminant levels were MW-6 with 3,282 ug/L total VOCs, and MW-22 with 12,051 ug/L tVOCs. Other wells had moderately low VOC levels ranging up to 144 ug/L tVOCs (MW-7). – JK

07/27/18: On 7/23/18, Jim DeMartinis requested that I meet with him and Dan Yarom of CDSP to discuss this site. At meeting on 7/27/18, I agreed that since there are high levels of VOCs in only two wells, VEFR may be an appropriate remedial approach for site. But I asked that they check with their client to see if excavation of the bldg footprint might still be an option. I asked that they prepare and submit a formal RAP by late August or early September. – J. Kolleeny

10/09/18: Reviewed Remedial Action Work Plan prepared by Seaciff Environmental, Inc. and dated 9/6/18 (in DecDocs). RAWP summarizes work performed thus far in 2018 by CDSP and Seaciff, including removal of 562 gals of contaminated GW from well MW-27 by VEFR, sampling of accessible and/or locatable wells in June 2018, and cleaning & removal of 2,000-gal fuel oil AST from vault in partial sub-basement and registering of AST with DEC's PBS Unit. June 2018 GW sampling showed significant impacts mainly in wells MW-6 (3,282 ug/L total VOCs) and MW-22 (12,051 ug/L tVOCs). RAWP proposes to perform VEFR on these two wells to address GW impacts. Prior to beginning VEFR (and within 2 weeks of RAWP approval), Seaciff/CDSP will attempt to locate and sample wells GW-3, GW-14, MW-9 & MW-19. Results will be forwarded to DEC as soon as available, and Seaciff will recommend which add'l wells (if any) should be included in VEFR program. VEFR will then commence immediately and be performed weekly for 3 months, after which target wells will be sampled to evaluate effectiveness of VEFR. Based on results, VEFR may be continued for another 3 months on selected wells. RAWP states that prior to petitioning State for spill closure, a full round of GW samples will be collected from all site wells. On 10/9/18, I sent approval letter (in DecDocs) to RP Ms. Penny Hart, with cc's to Allen Rosenberg of Alrose Group, Dan Yarom of CDSP, Jim DeMartinis of Seaciff Env't'l, Vadim Brevdo of DEC (DER) and Rachel Seebacher of DEC's OGC. Letter stated that (1) if any of missing wells cannot be located, DEC may require install'n of replacement wells; (2) if VEFR is not successful in reducing GW contamination to levels suitable for spill closure, DEC may require add'l remedial actions; and (3) DEC reserves right to require further investigation, monitoring and possibly remediation of off-site impacts related to this spill. – JK

09/23/19: Reviewed rpt by Seaciff Env't'l dated 8/20/19 (in DecDocs). Rpt summarizes remedial actions performed pursuant to Seaciff's Sept. 2018 RAWP. Rpt states that CDSP (subcontractor, w/Dan Yarom) conducted a total of 19 VEFR events on wells MW-6 (aka GW-6) & MW-22 between 10/17/18 and 4/27/19, removing ~700 gals of GW. As per RAWP, CDSP tried to locate wells GW-3, GW-14, MW-9 and MW-19 prior to implementing VEFR program; wells were found to be abandoned. On 4/27/19, 10 monitoring wells were sampled. Results showed well MW-2 had 20 ug/L total VOCs (down from 30 ug/L in June 2018), well MW-4 had 45 ug/L tVOCs (down from 55 ug/L in June 2018), well MW-5 had 0.6 ug/L tVOC (down from 48 ug/L in June 2018), well MW-6 (aka GW-6) was ND (had 3,282 ug/L tVOCs in June 2018), well MW-7 had 186 ug/L tVOCs (up from 144 ug/L in June 2018), well MW-15 had 89 ug/L tVOCs (up from 30 ug/L in June 2018), well MW-16 had 17 ug/L tVOCs (down from 63 ug/L in June 2018), well MW-22 had 22 ug/L tVOCs (down from 12,051 ug/L in June 2018), well MW-27 had 800 ug/L tVOCs (up from 96 ug/L in June 2018), well MW-28 had 10 ug/L tVOCs (down from 47 ug/L in June 2018). Rpt notes that two wells that warranted VEFR based on June 2018 data, MW-6 and MW-22, saw dramatic decreases in tVOCs, to ND and 22 ug/L, resp., and that most other wells had low tVOC levels consistent with June 2018 data; only well MW-27 (target of earlier VEFR events) saw a significant increase in contam, going from 96 ug/L to 800 ug/L tVOCs. Rpt concludes that VEFR was successful and asks DEC to advise if spill case can be closed. – J. Kolleeny

09/25/19: I sent email to RP Ms. Penny Hart, with cc's to Jim DeMartinis of Seacliff Env't'l, Dan Yarom of CDSP, and Allen Rosenberg of Alrose Group: Dear Ms. Hart: I have reviewed a letter rpt pertaining to this spill site, prepared by Seacliff Env't'l, Inc. and dated August 20, 2019. Rpt summarizes actions performed at site pursuant to approved Sept. 2019 RAWP by Seacliff Env't'l, including 19 VEFR events removing ~700 gals of GW, and presents results of April 2019 GW sampling event. GW sampling results show significant decreases in contaminant levels in two wells targeted by VEFR events, and relatively low VOC levels in other wells sampled. Based on data, rpt concludes that VEFR has been successful and requests that NYSDEC advise whether spill case can be closed. Spill case cannot be closed at this time. Department requires further GW monitoring to confirm April 2019 sample results and evaluate potential rebound in contaminant levels. Furthermore, we are concerned by increase in contaminant levels in well MW-27, target of an earlier VEFR program, from 96 ug/L total VOCs in June 2018 to 800 ug/L tVOCs in April 2019, and further data is needed to see if this trend continues or if VOC levels will stabilize or decrease in this well. Ten monitoring wells sampled in April 2019 should be sampled again and results submitted in another progress rpt. Rpt should include up-to-date well gauging data and a water table contour map indicating GW flow direction. Depending on sampling results, further monitoring of select wells may be required. Please feel free to contact me if you have any questions. – J. Kolleeny

Map Identification Number 43**FORMER HESS STATION 32GRA**

370 GRAND CONCOURSE
AKA SPEEDWAY #1349

BRONX, NY

Spill Number: 9814075**Close Date:**

TT-Id: 520A-0011-463

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1751 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Affected Persons

Caller Name: BILL COLONIS

DEC Investigator: AXDORONO

Spiller: SCOTT CULLINAN – FORMER HESS STATION

Notifier Name: BILL COLONIS

Caller Agency: ENVIR0TRAC

Contact for more spill info: SCOTT CULLINAN

Spiller Phone: (610) 527-7900

Notifier Phone: (516) 586-1800

Caller Phone: (516) 586-1800

Contact Person Phone: (610) 527-7900

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved		Meets Cleanup Standards		Penalty Recommended
02/17/1999	03/16/2004	UNKNOWN	2-297437		NO		NO
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CONTAMINATED SOIL DISCOVERED DURING TANK UPGRADE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was SUN 1/5/04 BPAmoco in operation and taking responsibility for southern half of property. Reference spill #0111974.(KMF).

11/26/2003 Reassigned from O'Dowd to Sun.

01/29/2004–Sun–File Update by Sun: Sun sent a Stipulation Agreement to Hess requiring the complete delineation of the contamination, including the restoration of MW–1 and MW–8, and submittal of the Operation, Maintenance and Monitoring Plan. The Department approves the remedial action plan prepared by EnviroTrac, dated July, 2001. The Department set a deadline of 2/20/04 for the Respondent to return the signed Stipulation Agreement. (WJS)

03/26/04– The Stipulation Agreement was signed by Hess on 03/10/04 and executed by the Department on 03/24/04. (WJS)

08/11/04–File Update by Sun: On 08/11/04 Sun approves the Investigation Plan submitted July 8, 2004 by Michael Matri, Project Manager for Hess Corp. The two soil borings/monitoring wells proposed in the Investigation Plan will be used to replace well MW–8 and will be located east and west of the former MW–8 location. The approved letter was mailed to Hess on 08/11/04. (WJS)

05/09/05–File Update by Sun: On 05/05/05, the Department held a project review meeting with Hess' Project Manager (Mike Matri) and his consultant (EnviroTrac). Per Mike Matri, EnviroTrac has contacted Metropolitan Transportation Authority (MTA) in order to obtain access to delineate along the eastern (up–gradient) portion of the site adjacent to the MTA New York City Transit subway. Currently, Hess drilling contractor, Submitt Drilling Co., Inc., is obtaining the necessary Railroad Protective Liability Policy to satisfy MTA's insurance requirements. The delineation will be conducted once the work is approved by the MTA.(WJS)

10/27/05: Site reassigned from Sun to Andersen.

10/27/05: Reviewed the second quarterly 2005 update report dated 8/19/05. Additional delineation is still in progress.

12/6/05: Reviewed quarterly report dated 11/22/05. Six monitoring wells sampled on October 6, 2005. Max BTEX 3,309.4 ppb (MW13) and max MTBE 1,250ppb (MW13). Additional delineation delayed while waiting for MTA permit.

1/26/06: 1/25/06 meeting with Quantum, NYSDEC, and ET. Additional delineation is currently awaiting an MTA permit.

3/29/06: Received email from Thomas Bosshard of EnviroTrac : The two (2) up–gradient monitoring wells at the referenced site have been successfully installed. The new monitoring wells will be incorporated into the site's quarterly groundwater monitoring schedule with the second quarter 2006 sampling event scheduled for April 2006. The monitoring well installations and April 2006 groundwater monitoring event will be summarized in the site's next quarterly Update Report.

6/12/06: Reviewed the first quarterly 2006 update report. Groundwater samples collected on January 19, 2006. Max BTEX 6,032 ppb

(MW12), max MTBE 2,830 ppb (MW12). Upgradient on-site wells installed in March. Installation of a well downgradient of MW12 and a RAP required by September 12, 2006.

6/30/06: Meeting on 6/28/06 with Hess, NYSDEC, Quantum, EnviroTrac and GSC. Hess will ask for access to the adjacent RR yard to delineate. ORC may be utilized as a remedial method.

7/12/06: Reviewed second quarterly 2006 report. ORM socks in MW12 and 13. ORC socks will be installed in MW15 and MW16. Groundwater samples collected on 4/4/06. Max BTEX 13,571 ppb (MW15). Max MTBE 964 ppb (MW12).

8/23/06: Received email from Erin Goelz of ET. Delineation not possible in the metronorth area east of the site. Delineation possible on Park Avenue, but this is far from the site. Three wells on Park Avenue were proposed. Wells not required by the Department because they are far from the site. RAP due 9/12/06.

8/29/06: Spoke with Ed Russo. A request for an extension for RAP submission will be required because pilot testing will be conducted on site. Local treatment is not feasible due to subsurface piping on site and the subway nearby. An email request for an extension will be submitted. Power supply at the site may be problematic, ConEdison will be contacted. This site is currently a BP gasoline station.

9/8/06: Received email from Ed Russo. Requested extension until November 30 to submit RAP in order to complete SVE pilot testing on MW's 12 and 13. SVE test tentatively scheduled for October 15. ORC socks will be installed in MW 15 and 16 ASAP. Extension approved.

10/5/06: Received update report dated 9/27/06. Wells sampled on 7/13/06. Fluctuating concentrations. Max BTEX 81,251ppb (MW15), max MTBE 1,650 ppb (MW12). ORM socks installed in MW 15 and 16. Contamination may be in the bedrock. RAP due 11/30/06.

12/7/06: RAP conditionally approved. SVE will be used in six wells, STRE in MW 15 and 16 because could not trench in this area, ORC socks in six wells. Conditions of approval: 1) more aggressive groundwater remedial strategy for MW MW 12, 15, 16, and 2) treatment method air effluent.

12/28/06: Reviewed update report dated 12/20/06. Fluctuating gw concentrations. Max BTEX 39,412 ppb (MW15), max MTBE 718 ppb (MW12).

1/17/07: Meeting on 1/16/07. This is the only Hess site not being transferred to Delta. A RAP addendum will be submitted addressing gw contamination.

3/13/07: Reviewed update report. Wells sampled on 1/11/07. Max BTEX 31,608 ppb (MW15), max MTBE 1,140 ppb (MW12). Fluctuating groundwater concentrations. ORM socks installed in MW9, and MW12–MW16. SVE system not installed yet. Emailed Hess, EnviroTrac regarding the SVE implementation schedule, and for details on the existing Well Stripper system on site.

3/15/07: Received email from Ed Russo: I sent you an email on 2/23 summarizing the well stripper, how it works, etc. Please confirm that you received that email. If not, I will resend it. If you did receive it and have further questions or comments, let me know and I will provide you with any additional information you may need.

As for the schedule, we are currently working with BP (who currently operates the site) in an effort to connect our system to the

BP station's existing electrical system. This would obviously save a great deal of time since CONED has been very slow to provide us new power drops for some of our other recent systems. We are also working with BP on an access agreement to install the system. Once these issues have been resolved, the system will be installed. Due to the fact that most of the subsurface work is already done, the system install will be very quick once the access and electrical issues are finalized.

3/16/07: Received email from Ed Russo: attached are a picture of the well stripper and a pdf document summarizing how the well stripper works. As you discussed with Dawn Coughlin of Hess at your recent meeting, we are proposing to install permanent well strippers in MW-12 and MW-13 and bring a portable well stripper to the site for periodic full day remediation events (permanent well strippers cannot be installed in MW-15 or MW-16 since these wells are not connected to the remediation system).

The permanent well strippers within MW-12 and MW-13 will be sampled (influent and effluent) on a monthly basis during system O&M events and the portable well stripper will be sampled for influent and effluent during the periodic remediation events.

Note that we are in the process of working with BP to get access to the site to install the system. In order to expedite the install once access is obtained, we will be ordering the equipment so that we can prepare the shed to be delivered to the site once access is granted.

7/31/07: Received email from Ed Russo: GW sampling was conducted on the site about 2 weeks ago. We should get data from the lab this week and will prepare an update report for submittal to you right away. As far as the system goes, we have received approval from BP (the current owner/operator of the site) to install the system. Our electrician is working on getting power from CONED. We have ordered all equipment and are working on building the shed in house so that once electrical power is available, we can deliver the system to the site and connect it/start it up. Once we get closer to a start date, I will be in contact with you to schedule start-up so you can be onsite if you'd like.

9/5/07: Reviewed quarterly report. Fluctuating groundwater concentrations. Wells sampled on 7/20/07. Max BTEX 47,580 ppb (MW15). Max MTBE 681 ppb (MW12). ORM socks replaced in MW9 and MW12 – MW16. SVE system and well strippers not installed yet. Short term remediation events planned for MW15 and MW16. Emailed Ed Russo to followup on system startup date and initiation of short term remediation events.

10/9/07: Received email from Ed Russo: we have scheduled an on-site meeting with representatives of BP, Delta Consultants (BP's consultant), and EnviroTrac for Monday October 15th. BP and Delta wanted to be fully aware of our proposed work before agreeing to let us proceed. We expect to get the approval to proceed with the sitework at that meeting.

The shed for the remediation system and the control panel have been completed in our shop and can be mobilized to the site once we obtain the access. Our electrician is ready to go and can get to the site within about a week once we obtain access and CONED involvement will be minimal since we will be connecting to BP's station electric for our system electrical requirements.

In addition, since the majority of the subsurface work was done a few years ago during the construction of the BP station, only minimal site work is required, so we expect to be able to start the system and short-term remediation events within 4–6 weeks of access approval.

I will send you an update of our progress following the October 15th meeting.

Edward E. Russo Senior Project Manager EnviroTrac Ltd. 5 Old Dock Road Yaphank, NY 11980 P: 631.924.3001 F: 631.924.5001

<http://www.envirotrac.com>

2/14/08: Received email from Ed Russo: We wanted to let you know that the SVE/Well Stripper system was activated at the referenced site on January 29, 2008. Preliminary data indicates that the system is effectively removing BTEX and MTBE from onsite wells. The initial start-up period will last another week or so and then system O&M will continue on a monthly basis thereafter. A full round of groundwater sampling will be conducted this month and a report summarizing that data and all system data collected to date will be submitted to you before April 30, 2008. If you would like to visit the site to see the system or if you have any questions or comments, please give me a call at (631) 924-3001

3/12/08: Reviewed Fourth Quarterly 2007 update report dated November 27, 2007. Wells sampled on 10/16/07. Max BTEX 16,839 ppb (MW15), max MTBE 727 ppb (MW12). System startup data will be submitted in next report.

4/15/08: Reviewed update report dated April 8th, 2008. SVE and well strippers (WS) in operation, and short term remediation events and WS being conducted in MW-15 and MW-16. Maximum BTEX concentration 3,779 ppb (MW16), maximum MTBE concentration 325 ppb (MW12). General downward trend in contamination.

8/7/08 – Carlson: Reviewed July 2008 Hydrogeologic Status Report. Wells sampled on 6/30/08. Maximum BTEX concentration 54,315 ppb (MW15). SVE/WS system in operation. Fluctuating concentrations.

10/22/08 – Carlson: Meeting with Hess, Envirotrac, and NYSDEC.

11/17/08 – Carlson: Reviewed October 2008 Update Report. Wells sampled on 8/26/08. Fluctuating concentrations in some wells. Maximum BTEX concentration 1,068 ppb (MW12). System in operation.

2/20/09 – Carlson: Reviewed January 2009 Update Report. SVE and WS in operation. High effluent concentrations in MW15. Effluent concentrations were not measured from MW12,13. Wells sampled on 11/24/08. Hot well MW12 was not sampled (why?).

3/18/09 – Carlson: Meeting with Hess and Envirotrac. Not enough water to sample WS effluent in some cases.

5/7/09 – Carlson: Reviewed April 2009 Update Report. SVE/WS in operation, and monthly STRE from MW15. Wells sampled on 2/27/09. Maximum BTEX concentration 390 ppb (MW15). Strong decreasing trends.

5/28/09 – Carlson: Received email from Ed Russo: while out at the site this week conducting routine GW sampling, our technician noted product (0.18') in MW-15. This well, and the entire site, has cleaned up dramatically since the system was activated and short term remediation events commenced a couple of years ago. As you can see from the attached photo, the product appears to be fresh gasoline. Our technician has taken a sample of the product and the GW within the well. We will analyze the GW for BTEX/MTBE as well as ethanol and conduct a fingerprint analysis on the product to try to confirm that it is a new release since this site is an active BP station. The technician did not note any indication of a surface spill and the well seal and manhole have been reported to be in good condition. Once we get results of the ethanol analysis and fingerprint analysis, we will let you know. If it appears that this may be a new release, we would need to notify BP.

8/7/09 – Carlson: Reviewed July 2009 update report. SVE/WS in operation. STRE on MW15 but high concentrations – effluent should be monitored. MW15 fingerprinting results not included.

8/17/09 – Carlson: Reviewed fingerprinting results of product identified in MW15. Product was found to be weathered gasoline from the old release.

8/19/09 – Carlson: Meeting with Hess. System in operation.

11/17/09 – Carlson: Reviewed October 2009 Update Report. Large decrease in concentration in MW15. System in operation.

1/27/2010 – Carlson: Meeting with Hess. Well stripper wells are often dry.

2/5/2010 – Carlson: Reviewed update report. Low dissolved concentrations.

5/20/2010 – Carlson: Meeting with Hess.

5/27/2010 – Carlson: Reviewed update report. SVE to be shut down due to low recovery.

8/13/2010 – Carlson: Reviewed July 2010 Update Report. Spike in concentration in MW15. SVE shut down due to low recovery. STRE/well stripper on MW15 monthly.

8/30/2011 – Obligado – Hess is still doing well stripper STRE on wells MW-12 and MW-15 monthly.

10/21/11 – Obligado – This spill is reassigned to Carlson as directed by Brevdo.

11/14/11 – Carlson: Reviewed October 2011 update report. STRE/well stripper on MW15 and MW12 in June and July. Monthly EFR planned instead of well stripper events from now on.

8/24/2012 – 1Q2012, 4/30/2012, by EnviroTrac. The groundwater was sampled on 2/24/2012. DTW 15.95 to 22.32'. Flows to southeast. EFR on MW-12 and MW-15 on 12/14/2011, 1/5/2012 and 2/6/2012. MW-13, 1.5 BTEX, 13 MTBE. MW-9, BTEX ND, 26.2 MTBE. MW-10, 5.5J BTEX, 2.1 MTBE. MW-15, 2,885.8 BTEX, 2.8J MTBE. MW-16, 42.84J BTEX, 7.3 MTBE.

10/12/2012 – 2Q2012, 7/31/2012, by EnviroTrac. The groundwater was sampled on May 16, 2012. DTW 15.00 to 21.62'. Flows to southeast. SVE/well stripper system was shutdown due to lack of hydrocarbon recovery. EFR conducted on selected wells. MW-12, 1,136J BTEX, 164 MTBE. MW-13, 13.6J BTEX, 41.9 MTBE. MW-15, 15,713 BTEX, 9.1J MTBE. MW-16, 42.49J BTEX, 7.1 MTBE. EFR on MW-12 and MW-15.

1/18/2013 – 3Q2012, 10/31/2012, by EnviroTrac. EFR on wells MW-12 and MW-15 on 6/13/2012. The groundwater sampled on 8/24/2012. DTW 15.41 to 20.42 bg. Flows to southeast. MW-15, 5,307.6 BTEX, MTBE ND. MW-16, 27.48J BTEX, 4.2 MTBE.

9/25/2013 – 4Q2012, 1/31/2013, by EnviroTrac. Groundwater was sampled on 11/27/2013. DTW 15.41 to 20.42 feet. Flows to southeast. Soil vapor extraction/well stripper system shutdown due to lack of hydrocarbon recovery. MW-15, 30,531.3 BTEX.

1Q2013, 4/30/2013, by EnviroTrac. Groundwater was sampled on 2/6/2013. NO LNAPL. DTW 15.87 to 22.75 feet. Flows to southeast. MW-15, 19,340.4 BTEX. MW-16, 37.72J BTEX, 3.5 MTBE. MW-9, BTEX ND, 29.6 MTBE. MW-12, 43.43J BTEX, 109 MTBE. MW-13, 10.8 BTEX, 63.4 MTBE.

11/14/2014 – 2Q2014, 7/31/2014. SVE/well stripper system shutdown due to lack of recovery. 5/16/2014, sampled groundwater. DTW 14.51 to 22.48 feet. Flows to southeast. MW–16, 40.06J BTEX. MW–15, 0.21' LNAPL.

11/17/2014 – 3Q2014, 11/7/2014. 8/19/2014, sampled groundwater. DTW 15.37 to 22.04 feet. Flows to southeast. MW–16, 21.37 BTEX. MW–15, 0.09' LNAPL.

1/26/2015 – 4Q2014, 1/26/2015. 11/24/2014, gauged 6 monitoring wells and sampled 5 monitoring wells. DTW 15.36 to 22.17 feet. Flows to southeast. MW–15, 102,391.2 J BTEX. MW–16, 26.3 J BTEX.

10/20/2015 – 1Q2015, 4/13/2015. 1/8, 2/5/2015, EFR on MW–15. 2/5/2015, EFR on MW–16. 2/10/2015, gauged 6 monitoring wells and sampled 5 monitoring wells. DTW 15.82 to 21.87 feet. Flows to southeast. MW–15, 3,023 BTEX. MW–16, 160 BTEX.

2Q2015, 7/15/2015. 3/3, 4/1, 5/5/2015, EFR on MW–15. 5/13/2015, gauged 7 monitoring wells and sampled 7 monitoring wells. NO LNAPL. DTW 15.71 to 22.17 feet. Flows to southeast. MW–15, 3,615.6 BTEX. MW–16, 93.4 BTEX.

3Q2015, 10/20/2015. 6/10, 7/8, 8/6/2015, EFR on MW–15. 8/26/2015, gauged and sampled 5 monitoring wells. NO LNAPL. DTW 15.85 to 23.03 feet. Flows to southeast. MW–15, 4,065.7 BTEX. MW–16, 46.4 BTEX.

1/28/2016 – 4Q2015, 1/27/2016. 9/22, 10/8, 11/10/2015, EFR on MW–15. 11/10/2015, gauged 6 and sampled 3 monitoring wells. NO LNAPL. DTW 16.09 to 22.05 feet. Flows to southeast. MW–15, 639.9 BTEX.

3/30/2016 ~ Feng ~ This spill is transferred from J. Feng to V. Brevdo as per J. Vought.

3/30/16 – Raphael Ketani. This spill case has been assigned to me effective today.

According to ACRIS, the block and lot are 2341 and 42. The latest deed is dated 12/21/79. The property owner is 350 Concourse Realty Corp.

The PBS record is #2–297437. The owner is MERIT Oil of New York, Inc., 551 West Lancaster Avenue, Haverford, PA, 19041. The operator is MERIT Grand Concourse. All six USTs were closed and removed on 11/1/98.

The contacts are as follows:

Speedway/Hess contact: Matthew Butler, (732) 738–2924, MButler1@Speedway.com Consultants: Edward Russo (EnviroTrac), (631) 924–3001, EDR@EnviroTrac.com

Joseph Rennie (EnviroTrac), (631) 924–3001, JoeR@EnviroTrac.com

4/26/16 – Raphael Ketani. Yesterday I received the EnviroTrac 4/25/16 Quarterly Update Report. On 12/10/15, 1/20/16 and 2/3/16 VEFRed MW–15. On 2/9/16 MW–9 to 11 and 14 to 16 were gauged. MW– 9 to 11, 15 and 16 were sampled on 2/9/16. Product was not measured in any of the wells. Groundwater was measured at 15.54' and 22.47' below grade and was determined to be flowing southeast. Total BTEX was non–detect at MW–9 to 11, 703.5 ppb at MW–15 and 14.5 ppb at MW–16.

7/26/16 – Raphael Ketani. Yesterday I received the EnviroTrac 7/25/16 Quarterly Update Report for the period March to May 2016.

On 3/7/16, 4/5/16 and 5/5/16 VEFRed MW-15. On 5/13/16 MW-9 to 11 and 14 to 16 were gauged. MW- 9 to 11, 15 and 16 were sampled on 5/13/16. Product was not measured in any of the wells. Groundwater was measured at 14.90' and 21.59' below grade and was determined to be flowing southeast. Total BTEX was 11.3 ppb at MW-9 and non-detect at MW-10 to 11, 3785 ppb (64 ppb benzene) at MW-15 and 20 ppb at MW-16.

10/24/16 – Raphael Ketani. Today I received the EnviroTrac 10/24/16 Quarterly Update Report for the period June to August 2016. On 6/7/16, 7/12/16 and 8/8/16 MW-15 was VEFRed. On 8/22/16 MW-9 to 11 and 14 to 16 were gauged. MW- 9 to 11, 15 and 16 were sampled on 8/22/16. Product was not measured in any of the wells. Groundwater was measured at 14.94' and 21.90' below grade and was determined to be flowing southeast. Total BTEX was non-detect at MW-9 to 11. MW-15 had 11,964.7 ppb BTEX (74.7 ppb benzene). MW-16 had 9.6 ppb BTEX.

While I approved the report, I sent an email to Mr. Russo (631) 924-3001, EDR@EnviroTrac.com asking for an explanation as to why the BTEX concentrations should increase so much and so quickly at MW-15. I also asked him to have EnviroTrac come up with a means of reducing the contaminant concentrations at this location.

Mr. Russo responded today to my above email with the following statement:

~ in response to your email, please note that the increase in BTEX in MW-15 appears to be related to water table fluctuation. When the water table was lower (in November 2015 and February 2016) BTEX concentrations decreased. The water table has been higher in May 2016 and August 2016 and the BTEX concentrations have increased.

Please note factors that indicate that our current course of action is the best to continue to address this impact:

1) The overall trend in remediation of this well, despite the past 2 sampling events, has been good. In 2014 product was present in the well and as a result EFR was initiated. Since 2014, product has no longer been detected within the well. Dissolved concentrations of BTEX were as high as 102,391 ug/l in 2014 prior to initiation of EFR. 2) A majority of the BTEX consists of degraded gasoline (xylenes) and through continuing groundwater monitoring of the site this impact has not shown up in downgradient monitoring wells, indicating that it is an isolated area of impact. 3) A remediation system operated to remediate the eastern portion of the site (area of MWs-9 through 14). As depicted on the attached figure, this remediation system could not be connected to the area of MW-15 due to site constraints/underground utilities.

Please also note that we are scheduled to continue to sample the site quarterly and will continue to evaluate our plan moving forward based on quarterly sampling results.

EFR events will continue on a monthly basis.

10/25/16 – Raphael Ketani. I sent a response email to Mr. Russo's 10/24/16 response email. I stated that while EnviroTrac has interpreted the data to indicate a decreasing trend for the BTEX concentrations in the groundwater at MW-15, staff at the Department have noted that the BTEX concentration in the 8/22/16 groundwater sample is at least 3 times greater than that of the past six samples. Also, despite the drop in the water table and the associated release of some product from the micro channels and pores in the soil, we are still concerned that this location will remain a source of groundwater contamination. We will monitor the quarterly analytical results with the expectation that EnviroTrac will take the necessary action to lessen the contamination in the event that it is consistently very high.

2/1/17 – Raphael Ketani. Today I received the EnviroTrac January 2017 Quarterly Update Report dated 1/31/17 for the period September to November 2016. On 9/6/16, 10/26/16 and 11/9/16 MW-15 was VEFRed. On 11/3/16 MW-10, 11 and 14 to 16 were gauged and MW-10, 11, 15 and 16 were sampled. Product was not measured in any of the wells. Groundwater was measured at 15.23' and 18.96' below grade and was determined to be flowing southeast. Total BTEX was non-detect at MW-10 and 11. MW-16 had 3 very low hits and 2 non-detects. MW-15 had 4889.3 ppb BTEX (70.3 ppb benzene).

5/2/17 – Raphael Ketani. I reviewed the EnviroTrac January 2017 Quarterly Update Report dated 4/28/17 for the period December to February 2017. On 12/8/16, 1/18/17 and 2/15/17 MW-15 was VEFRed. On 2/27/16, MW-9 to 11 and 14 to 16 were gauged and MW-9 to 11, 15 and 16 were sampled. Product was not measured in any of the wells. Groundwater was measured at 15.63' and 22.37' below grade and was determined to be flowing southeast. BTEX was non-detect at MW-9 to 11. MW-15 had 879.4 ppb. MW-16 had 9.3 ppb.

I approved the report without comment.

Next, I reviewed the EnviroTrac 4/20/17 Request for Well Abandonments letter. EnviroTrac requests permission to abandon wells MW-12 to 14. The reason for requesting the abandonments is that EnviroTrac claims the groundwater data has shown very significant decreases in the concentrations for BTEX (98.9%) and for MTBE (99.9%).

I looked at the historical data for wells MW-12 to MW-14. I found that MW-12 hadn't been sampled from 11/21/13 to 8/19/14 because it was not accessible. After this, the well was not sampled up to the 2/27/17 round. Very high to extremely high BTEX results were indicated in Table 1 for the past results. MW-13 was sampled sporadically from 2/24/12 to 5/16/14. It was not sampled from 8/19/14 to 2/27/17, except for the 5/13/15 round when the results were non-detect. Past BTEX results for this well as far back as 11/24/08 were generally low. MW-14 had consistently low BTEX results since shortly after it was installed. Also, with the exception of some rounds when it was not sampled, the results were non-detect from 2/28/08 to 8/24/12. After this, the results have D designations for dry, though there are the letters NS for Not Sampled for the rounds from 5/13/15 to 2/27/17.

From reviewing the data in Table 1 for MW-12 to MW-14, I determined that wells MW-13 and MW-14 could be abandoned without compromising the monitoring. However, there was insufficient data for making a determination as to whether MW-12 could be abandoned. In light of this, I stated that MW-12 will need to be sampled for at least 3 more rounds before the Department can make a decision regarding abandonment. I sent an official letter today to Mr. Russo, with a C-C to John Engdahl of Speedway, stating the above.

8/1/17 – Raphael Ketani. I reviewed the EnviroTrac July 2017 Quarterly Update Report dated 7/28/17 for the period March to May 2017. On 6/8/17, 7/19/17 and 8/8/17 MW-15 was VEFRed. On 5/18/17, MW-9 to 11, 15 and 16 were gauged and sampled. Product was not measured in any of the wells. Groundwater was measured at 14.66' and 21.13' below grade and was determined to be flowing southeast. BTEX was non-detect at MW-9 to 11. MW-15 had 5154.5 ppb. MW-16 had 8.7 ppb BTEX.

10/31/17 – Raphael Ketani. I reviewed the EnviroTrac October 2017 Quarterly Update Report dated 10/30/17 for the period June to August 2017. On 6/8/17, 7/19/17 and 8/8/17 MW-15 was VEFRed and the sock was replaced. On 8/24/17, MW-9 to 11, 15 and 16 were gauged and sampled. Product was not measured in any of the wells. Groundwater was measured at 15.23' and 22.45' below grade and was determined to be flowing southeast. BTEX was non-detect at MW-9 to 11. MW-15 had 8541.3 ppb. MW-16 had 3.2 ppb BTEX.

1/24/18 – Raphael Ketani. Today I received the EnviroTrac Remedial Work Plan dated 1/24/18. The objective of the proposed plan was to collect the product in the vicinity of MW-15. The well was installed in the weathered schist bedrock. Multi-family residences with basements are located to the north. A subway tunnel is located adjacent to the site beneath the Grand Concourse.

Utilities are below the Grand Concourse. Product was detected in the well on 6/8/17, 7/19/17, 9/6/17, 10/18/17 and on 11/3/17. The thickness varied from 0.01 feet to 0.04 feet.

Due to the proximity of the subway and utilities, EnviroTrac proposes to treat the product by injecting surfactant and recovering surfactant and product as a combined liquid using the EFR method. BioSolve Pinkwater will be the surfactant of choice. One hundred gallons of Pinkwater as a 5% solution will be injected. The inside of the well will be scrubbed with a brush and surge blocking will take place. The EFR event will take place the day after the injection and will last 8 hours. Three additional injection and extraction events will take place after this initial event.

On site parameters consisting of depth to product, depth to water and product thickness will be monitored. Wells MW-15 and MW-16 will be utilized for the monitoring.

Groundwater sampling will continue to take place quarterly. Each sample will be analyzed for BTEX and MTBE.

A work schedule was included in the work plan. I reviewed the schedule and did not have any comments. I approved the work plan.

1/25/18 – Raphael Ketani. I reviewed the EnviroTrac January 2018 Quarterly Update Report dated 1/25/18 for the period September to November 2017. On 9/6/17, 10/18/17 and 11/3/17 MW-15 was VEFRed and the sock was replaced. On 11/17/17, MW-9 to 11, 15 and 16 were gauged and sampled. Product was not measured in any of the wells. Groundwater was measured at 15.31' and 22.59' below grade and was determined to be flowing southeast. BTEX was non-detect at MW-9 to 11. MW-15 had 7012.9 ppb. MW-16 had 11.6 ppb BTEX.

Later, Mr. Rennie and Mr. Russo called to discuss the site and the proposed usage of Pinkwater. They said that they had good results with the treatment solution as it loosens up the product being held by the soil. I stated that, from my experience, I had mixed feelings about Pinkwater because the results had been mixed. Mr. Russo stated that they'd like to try the treatment solution and that they will send me the results. Mr. Russo added that the reason they want to use the Pinkwater is because the BTEX concentrations are very high in the samples from MW-15. I stated that the groundwater sample results for MW-15 had remained high mostly because xylenes are resistant to breakdown. Mr. Rennie and Mr. Russo agreed. I responded that I had wanted to close the spill case and send a Spill Closure Letter because the product thickness had remained very low. Mr. Russo said that the oil wasn't the issue, just the BTEX concentrations. I finished the conversation by telling them to try the Pinkwater and to send me the results as soon as possible so that I can evaluate whether closure is appropriate. They said they will. With that, the conversation ended.

=case manager's note= Speedway leases the property. The owner is 350 Concourse Realty, LLC at 11 Park Place, Ste. 615, NY, NY, 10007. Mr. Russo said that letters can be sent to both the property owner and Speedway or just to Speedway, who will forward the letters to 350 Concourse Realty.

05/01/2018: This spill case was transferred to A. Doronova – AD. AD Received the following e-mail from Mr. Rennie:

Dear Ms. Doronova,

Please find attached the most recent Update Report for the above referenced location.

Sincerely,

Joseph Rennie – Project Manager – EnviroTrac Ltd. – 5 Old Dock Road, Yaphank NY 11980 631.924.3001 (Office) – 631.924.5001 (Fax)
– joer@envirotrac.com

Will review. AD

05/23/2018: Reviewed the report. Site history: Petroleum impacted soils encountered during an underground storage tank (UST) upgrade project in February 1999. Removed five (5) 4,000-gallon single wall (SW) steel gasoline underground storage tanks (USTs), one (1) 550-gallon SW steel waste water UST and all associated dispensers, piping and remote fills. During this project a total of 410.76 tons of soil were removed off site for disposal.

This report covers period from December 2017 ~ March 2018. On December 13, 2017, January 18, and February 15, 2018 ~ Enhanced Fluid Recovery (EFR) was performed on MW-15. February 13, 2018 ~ Performed a surge blocking/well cleaning event on MW-15 while injecting approximately 100 gallons of a 5% solution of BioSolve® Pinkwater® (surfactant) and water as proposed within the Remedial Action Plan (RAP) submitted to and approved by the NYSDEC in January 2018. On February 21, 2018 ~ the consultant did a post surge blocking/surfactant injection well gauging event. On March 23, 2018 ~ six (6) monitoring wells were gauged and sampled. Wells Gauged: MW-9 through MW-12, MW-15, and MW-16. Wells Containing LPH: None Groundwater Depth: 14.98 feet to 21.74 feet Groundwater Flow: Southeasterly Wells Sampled: MW-9 through MW-12, MW-15, and MW-16 Maximum Benzene Concentration: 21.6 micrograms per liter (ug/L) in MW-15 BTEX: around 24,000ug/L in MW-15 Maximum MTBE Concentration: 99.4 ug/L in MW-12

The consultant will continue quarterly groundwater sampling, with the next sampling event scheduled for May 2018. An Update Report summarizing these activities will be submitted to NYSDEC in July 2018. Speedway will continue monthly EFR events.

According to the consultant, it appears that surge blocking/surfactant injection has liberated dissolved phase hydrocarbons in the area of MW-15. EnviroTrac will continue to perform surge blocking/surfactant injection events/EFR in MW-15. Results from these events will be used to determine if further action should be taken. AD

07/20/2018: Received the following e-mail from EnviroTrac:

Dear Ms. Doronova,

Please find attached the latest update report for the above referenced location. Also, please note that monitoring wells MW-9, MW-10, and MW-11 have shown low to ND BTEX/MTBE concentrations for several years and show low to ND VOC STARs compounds concentrations in the most recent groundwater sampling event. As a result, Speedway/EnviroTrac respectfully requests the abandonment of these wells in order to minimize trip hazards.

Sincerely,

Joseph Rennie – Project Manager – EnviroTrac Ltd. – 5 Old Dock Road, Yaphank NY 11980 631.924.3001 (Office) – 631.924.5001 (Fax)
– joer@envirotrac.com

Will review. AD

07/30/2018: Reviewed the report. This report covers monitoring period from March 2018 ~ May 2018.

On March 12, March 19, & May 4, 2018 ~ EnviroTrac performed a surge blocking/well cleaning event on MW-15 while injecting approximately 100 gallons of a 5% solution of BioSolve® Pinkwater® (surfactant) and water as proposed within the Remedial Action Plan (RAP) submitted to and approved by the NYSDEC in January 2018. On March 16, March 20, & May 10, 2018 ~ Performed Enhanced Fluid Recovery (EFR) on MW-15. On May 31, 2018 ~ Gauged and sampled four (4) monitoring wells.

Wells Gauged: MW-9 through MW-11, MW-15, and MW-16 Wells Containing LPH: None Groundwater Depth: 14.21 feet to 21.66 feet
Groundwater Flow: Southeasterly Wells Sampled: MW-9 through MW-11, MW-15, and MW-16 Maximum Benzene Concentration: ND (non-detect) all wells Maximum MTBE Concentration: 5.0 micrograms per liter (ug/L) in MW-9

BTEX ranges in the site wells from ND in MW-9, MW-10 and MW-11 to 14,600ppb in MW-15.

Continue quarterly groundwater sampling, with the next sampling event scheduled for August 2018. An Update Report summarizing these activities will be submitted to NYSDEC in October 2018. Speedway to continue monthly EFR events.

According to the consultant, surge blocking/surfactant injection has liberated dissolved phase hydrocarbons in the area of MW-15. EnviroTrac will continue to perform surge blocking/surfactant injection events/EFR in MW-15. Results from these events will be used to determine if further action should be taken. AD

10/29/2018: Received the following e-mail from J. Rennie:

Dear Ms. Doronova,

Please find attached the latest update report for the above referenced location. Also, please note in our recommendation section that monitoring wells MW-9, MW-10, and MW-11 have shown low to ND BTEX/MTBE concentrations for several years and show low to ND VOC STARs compounds concentrations in the most recent groundwater sampling event. As a result, Speedway/EnviroTrac respectfully requests the abandonment of these wells in order to minimize trip hazards. Please let us know if NYSDEC approves of these well abandonments.

Sincerely,

Joe Rennie

Joseph Rennie – Project Manager – EnviroTrac Ltd. – 5 Old Dock Road, Yaphank NY 11980 631.924.3001 (Office) – 631.924.5001 (Fax)
– joer@envirotrac.com

Will review. AD

11/21/2018: Reviewed the 3rd quarter 2018 report for the monitoring period: June 2018 ~ August 2018. Work Performed: – June 4 & August 7, 2018 ~ Performed a surge blocking/well cleaning event on MW-15 while injecting approximately 100 gallons of a 5% solution of BioSolve® Pinkwater® (surfactant) and water as proposed within the Remedial Action Plan (RAP) submitted to and approved by the NYSDEC in January 2018. – June 5, July 2, & August 10, 2018 ~ Performed Enhanced Fluid Recovery (EFR) on MW-15. – August 17, 2018 ~ Gauged and sampled six (6) monitoring wells.

Groundwater Monitoring: Wells Gauged: MW-9 through MW-12, MW-15, and MW-16 Wells Containing LPH: None Groundwater Depth: 13.47

feet to 21.41 feet Groundwater Flow: Southeasterly Wells Sampled: MW-9 through MW-12, MW-15, and MW-16 Maximum Benzene Concentration: 14.1 ug/L(MW-12) Maximum MTBE Concentration: 88.8 ug/L in MW-12 Total VOCs Range: ND ~ 8,788 ug/L

Recommendations: Continue quarterly groundwater sampling, with the next sampling event scheduled for November 2018. An Update Report summarizing these activities will be submitted to NYSDEC in January 2019. Speedway to continue monthly EFR events.

According to the consultant, monitoring wells MW-9, MW-10, and MW-11 have shown low to ND BTEX/MTBE concentrations for several years and show low to ND VOC STARs compounds concentrations in the most recent groundwater sampling event. As a result, Speedway/EnviroTrac respectfully requests the abandonment of these wells in order to minimize trip hazards. AD

12/06/2018: Called and left a message to Mr. Rennie. Later received a call from him. Discussed their recommendations regarding wells MW-9, MW-10 and MW-11. Asked to leave well MW-9 in the annual sampling program since it is most down-gradient well, and approved abandonment of MW-10 and MW-11. Also requested historical data for MW-13 which was not sampled consistently. Mr. Rennie said that the location of the MW-13 was rented by the owner and is occupied by vehicles. Requested to sample that well. Asked to look into historic data regarding well MW-15, if there were any possible sources of contamination as remote fill ports, since it is most up-gradient well at the site according to the GW flow direction. Sent the following e-mail to Mr. Rennie as per his request:

Dear Mr. Rennie,

The Department had reviewed the submitted report with the proposed recommendations and has the following comments:

- DEC approves abandonment of monitoring wells MW-10 and MW-11;
- Monitoring well MW-9 should be kept in the program and sampled on annual basis;
- Monitoring well MW-13 should be sampled on next sampling event and historic data for this well should be provided to DEC;
- Vicinity of an up-gradient well MW-15 should be checked on historic documents for possible sources of contamination such as former remove fill ports, etc.

Feel free to contact me if you have any questions regarding this matter.

Sincerely,

Ainura Doronova – Environmental Engineer

AD

01/29/2019: Received the following e-mail from Ed Russo:

Ainura ~ attached is the most recent update report for your review/files.

Let us know if you have any questions or comments.

Thanks.

Edward Russo – Senior Project Manager – EnviroTrac Ltd. – 5 Old Dock Road, Yaphank NY 11980 631.924.3001 (Office) – 631.924.5001

(Fax) – 516.523.6714 (Cell) – edr@envirotrac.com

Will review. AD

02/13/2019: Reviewed the report. It states that for the monitoring period: September 2018 ~ November 2018, the following work was performed at the site: – September 26, October 12, & November 13, 2018 ~ Performed Enhanced Fluid Recovery (EFR) on MW-15. – November 20, 2018 ~ Gauged and sampled five (5) monitoring wells.

Groundwater Monitoring: Wells Gauged: MW-9 through MW-11, MW-15, and MW-16. Wells Containing LPH: None Groundwater Depth: 12.93 feet to 20.28 feet. Groundwater Flow: Southeasterly.

Wells Sampled: MW-9 through MW-11, MW-15, and MW-16. Maximum Benzene Concentration: 28.2 micrograms per liter (ug/L) (MW-15) Maximum MTBE Concentration: 2.9 ug/L in MW-9. Total VOCs Range: ND ~ 28,680.7 ug/L.

Recommendations: The consultant will continue quarterly groundwater sampling, with the next sampling event scheduled for February 2019. An Update Report summarizing these activities will be submitted to the NYSDEC in April 2019. Speedway will continue monthly EFR events.

As approved by the NYSDEC, the abandonment of monitoring wells MW-10 and MW-11 were completed on January 29, 2019. MW-13 was able to be accessed on January 29, 2019 and was sampled. If results are favorable, abandonment of this well will be proposed. Going forward, MW-9 will be sampled on an annual basis per NYSDEC request. AD

04/30/2019: Received a 1st quarter 2019 monitoring report. Will review. AD

05/16/2019: Reviewed the report. It states that for the monitoring period: December 2018 ~ February 2019, the following work was performed at the site: – December 27, 2018, January 29 & February 20, 2019 ~ Performed Enhanced Fluid Recovery (EFR) on MW-15. – January 29, 2019 ~ Gauged and sampled one (1) monitoring well. Also, two (2) monitoring wells (MW-10 and MW-11) were abandoned as approved by the NYSDEC. – February 19, 2019 – Performed a surge blocking/well cleaning event on MW-15 utilizing a solution of BioSolve® Pinkwater® (surfactant) and water. – February 25, 2019 ~ Gauged and sampled two (2) monitoring wells.

Groundwater Monitoring: Wells Gauged: MW-13, MW-15, and MW-16 Wells Containing LPH: None Groundwater Depth: 14.25 feet to 16.76 feet. Groundwater Flow: Southeasterly

Wells Sampled: MW-13, MW-15, and MW-16 Maximum Benzene Concentration: 39.1 micrograms per liter (ug/L) (MW-15) Maximum MTBE Concentration: 6.6 ug/L in MW-13 Total VOCs Range: ND (non-detect) ~ 25,293 ug/L

The only site well which exhibits elevated levels – is MW-15 with 25,293ppb of TVOCs.

Recommendations: Continue quarterly groundwater sampling, with the next sampling event scheduled for May 2019. An Update Report summarizing these activities will be submitted to the NYSDEC in July 2019. Speedway to continue monthly EFR events. AD

07/30/2019: Received the following e-mail from Mr. Rennie:

Ainura – Please find attached the most recent Update Report for the above referenced location.

Joseph Rennie Project Manager phone: 631.924.3001 – email: joer@envirotrac.com EnviroTrac Ltd., 5 Old Dock Road Yaphank, NY 11980

Will review. AD

07/31/2019: Reviewed the report. It states that for the monitoring period: March ~ May 2019, the following work was performed at the site: – April 22 & May 16, 2019 ~ Performed EFR on MW-15. – May 22, 2019 ~ Gauged and sampled two (2) monitoring wells.

GW sampling: Wells Gauged: MW-15, and MW-16 Wells Containing LPH: None Groundwater Depth: 13.98 feet to 14.10 feet
Groundwater Flow: Southeasterly Wells Sampled: MW-15, and MW-16 Maximum Benzene Concentration: 39.6 micrograms per liter (ug/L) (MW-15) Maximum MTBE Concentration: 1.8 ug/L in MW-16 Total VOCs Range: 573.7 ~ 38,224.2 ug/L

Site Historic Remediation Activities: ~ February 2006 ~ Oxygen Releasing Compound (ORC) socks installed in select wells. ~ January 2008 ~ A Soil Vapor Extraction (SVE) system in conjunction with a Well Stripper (WS) system was activated. ~ March 2010 ~ SVE system shut down due to asymptotic conditions. ~ October 2011 ~ Enhanced Fluid Recovery (EFR) events commenced on monitoring well MW-15. ~ July 2017 ~ ORC socks installed in select wells. ~ February 2018 ~ Injections of Biosolve® Pinkwater® commenced on monitoring well MW-15.

Recommendations: Continue quarterly groundwater sampling, with the next sampling event scheduled for August 2019. An Update Report summarizing these activities will be submitted to the NYSDEC in October 2019. Speedway/EnviroTrac are evaluating the possibility of re-drilling MW-15. EnviroTrac will approach the New York City Transit Authority to determine feasibility of re-drilling the well. AD

10/29/2019: Received the following email from Mr. Rennie:

Ainura – Please find attached the most recent Update Report for the above referenced location.

Joseph Rennie Project Manager EnviroTrac Ltd. phone: 631.924.3001 – email: joer@envirotrac.com 5 Old Dock Road Yaphank, NY 11980 – <https://envirotrac.com>

Will review. AD

11/22/2019: Reviewed the report. It states that for the monitoring Ppriod: June ~ August 2019, the following work was performed at the site: – June 17 & July 29, 2019 ~ Performed EFR on MW-15. – August 15, 2019 ~ Gauged and sampled two (2) monitoring wells.

Groundwater Monitoring: Wells Gauged: MW-15, and MW-16 Wells Containing LPH: None Groundwater Depth: 14.98 feet to 15.08 feet
Groundwater Flow: Southeasterly

Wells Sampled: MW-15, and MW-16 Maximum Benzene Concentration: 39.5 micrograms per liter (ug/L) (MW-15) Maximum MTBE Concentration: 1.2 ug/L in MW-16 Total VOCs Range: 865.8 ~ 28,614.5 ug/L

GW data:

Well

02/2019

05/2019 08/2019 (TVOCs ppb) MW-15

25,293

38,224

28,618 MW-16

11

574

866

Well MW-15 indicated high levels of contamination and fluctuating trend. Well MW-16 showed increasing trend in contaminant levels.

Recommendations: The consultant recommends to continue quarterly groundwater sampling, with the next sampling event scheduled for November 2019. An Update Report summarizing these activities will be submitted to the NYSDEC in January 2020.

Speedway/EnviroTrac are evaluating the possibility of re-drilling MW-15. EnviroTrac working with the New York City Transit Authority to determine feasibility of re-drilling the well.

01/31/2020: Received the following email from Mr. Rennie:

Ainura – Please find attached the most recent Update Report for the above referenced location.

Joseph Rennie Project Manager EnviroTrac Ltd. phone: 631.924.3001 – email: joer@envirotrac.com 5 Old Dock Road Yaphank, NY 11980 – <https://envirotrac.com>

Will review. AD

02/05/2020: Reviewed the report. It states that for the monitoring period: September ~ November 2019, the following work was performed at the site:

– December 3, 2019 ~ Gauged and sampled three (3) monitoring wells.

Groundwater Monitoring: Wells Gauged: MW-9, MW-15, and MW-16 Wells Containing LPH: None Groundwater Depth: 15.37 feet to 22.57 feet Groundwater Flow: Southeasterly Wells Sampled: MW-9, MW-15, and MW-16 Maximum Benzene Concentration: 25.8 ug/L in (MW-15) Maximum MTBE Concentration: 3.4 ug/L in MW-9 Total VOCs Range: 10.8 ~ 10,861.4 ug/L

Recommendations: The consultant recommends to continue quarterly groundwater sampling, with the next sampling event scheduled for February 2020. An Update Report summarizing these activities will be submitted to the NYSDEC in April 2020.

Speedway/EnviroTrac are evaluating the possibility of re-drilling MW-15. EnviroTrac is working with the New York City Transit

Authority to determine the feasibility of re-drilling the well.

If re-drilling of the well will not result in the lower TVOCs, other remedial actions should be proposed. AD

Map Identification Number 44 **BP AMOCO STATION #17782** **Spill Number: 0111974** **Close Date:**
 350 GRAND CONCOURSE BRONX, NY TT-Id: 520A-0011-462

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1751 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Other

Caller Name: BRAD FISHER

DEC Investigator: RJFENG

Spiller: BRAD FISHER – AMOCO 17782

Notifier Name:

Caller Agency: DELTA ENVIRONMENTAL

Contact for more spill info: BRAD FISHER

Spiller Phone: (914) 765-8198

Notifier Phone:

Caller Phone: (914) 765-8198

Contact Person Phone: (914) 765-8198

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
02/20/2002		UNKNOWN	2-600110	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
MTBE (METHYL-TERT-BUTYL ETHER)	HAZARDOUS MATERIAL	0	UNKNOWN	0	UNKNOWN	
BTEX	OXYGENATES	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

impacted soil discovered tank removal – will be excavated during rebuild

DEC Investigator Remarks:

11/28/03 Reassigned from DeMeo to Foley. See spill #9814075 for info on former Merit station on northern half of property.

File review: Underground Storage Tank Excavation Assessment Report (Delta, 11/4/02)

Five 4000gal(double-walled steel) gas USTs and an abandoned 550-gal(single-walled steel) UST excavated during raze and rebuild activities. Replaced with three 12000gal gas USTs in a separate tank cavity.

Lab analysis of the gasoline tank field post-ex soil samples identified MTBE in excess of TAGM in the four bottom samples (tank-2, tank-3, tank-4 and tank-5). MTBE concentrations ranged from 1500ppb(tank-5) to 7740ppb(tank-3). Total BTEX was non-detect in all soil samples.

No soil was excavated during tank pulls.

Delta proposes conducting a Geoprobe assessment in the vicinity of the former tank field to delineate soil concentrations.

12/31/03 Received SHAR (Delta, 12/22/03)

Report only covers the southern half of the existing BP service station. The northern half is managed by Amerada Hess, formerly occupied by a Merit station. Site plan shows 6 monitoring wells on the northern portion of the property.(see spill #9814075) 1360 tons of petroleum-impacted soils were removed during raze and rebuild. Six soil borings were advanced around the former tank field and pump islands to depths between 11.5 and 20ft bgs. Lab analysis of soil samples did not identify VOCs in excess of TAGM. Three soil borings were converted to temporary 1 wells. Groundwater samples collected identified between nine and fourteen VOCs in excess of GWQS in all three samples. MTBE concentrations ranged from 2820ppb(SB-1/water) to 11500ppb(SB-2/water).

Delta installed three 2 permanent monitoring wells in June/July 2003 to depths between 19.9 and 21.4'bgs. Underlying bedrock was encountered in one of the three borings at 21.5'. Additional groundwater samples were collected. Lab analysis identified VOCs in excess of GWQS in all three samples.

1/5/04 Discussed site with J. Sun, PM for Hess(#9814075). He will look for signed STIP from Hess for northern section of property. May have existing remediation system on property.

1/29/04 Received 4Q2003 monitoring report(Delta, 1/21/04). Max BTEX 29936ppb(MW-5) and max MTBE 2860ppb(MW-4). MW-2 is clean.

1/29/04 Joe Sun sent out stip to Hess. 3/24/04 Hess stip executed.

4/22/04 Received 1Q2004 monitoring report. DTW 12.5-19'bgs. Total BTEX from 10ppb(MW-2) to 15962ppb(MW-1). MTBE from 6.9ppb(MW-2) to 1720ppb(MW-3).

10/14/04 2Q04 monitoring report received. DTW 13-18'bgs. BTEX from 12ppb(MW-2) to 16174ppb(MW-1). MTBE from 3ppb(MW-2) to 1160ppb(MW-1).

4/7/05 Received 3Q04 and 4Q04 monitoring reports. 3Q04- BTEX ranged from ND(MW-2) to 18124ppb(MW-1). MTBE ranged from ND(MW-2) to 424ppb(MW-3). 4Q04- BTEX ranged from 1ppb(MW-2) to 16084ppb(MW-1). MTBE ranged from 9ppb(MW-2) to 507ppb(MW-3).

11/9/05: Reviewed quarterly report dated 9/29/05. Three wells sampled on 6/10/05. No LNAPL present. Max BTEX is 22437ppb (MW1)

and max MTBE is 328ppb(MW3).

11/25/05 3Q05 – DTW 11.82–19.30'bgs. No LNAPL present. BTEX from 0.5ppb(MW–2) to 9858ppb(MW–1). MTBE from 2ppb(MW–2) to 559ppb(MW–3).

3/28/06 4Q05 sampling conducted 12/28/05 on three MWs. DTW 11.74–17.91'bgs. BTEX from 34ppb(MW–2) to 31268ppb(MW–1). MTBE from ND(MW–1) to 131ppb(MW–3). MW–1 is problem well. Concentrations in downgradient well(MW–3) are fluctuating. Hess has system operating on northside of property.

6/8/2006 – Feng – project reassigned to RJFeng. (RJF)

9/29/2006 – Feng – Portfolio meeting with BP and Delta. The site has limited access to trucks due to the canopy. Delta will keep quarterly monitoring. (RJF)

1/4/2007 – Feng – 1Q2006, 10/18/2006, by Delta. Groundwater sampled and gauged 3/3/2006. 3 monitoring wells. DTW 12.23' to 18.31' bg. Flows southeast. No LNAPL. MW–1, 13,489 ppb BTEX, 23.8 ppb MTBE. MW–2, 1.4 ppb BTEX, 2.1 ppb MTBE. MW–3, 60.4 ppb BTEX, 81.4 ppb MTBE. (RJF)

2/6/2007 – Feng – 2Q2006, 12/11/2006, by Delta. Groundwater sampled and gauged 6/30/2006. 3 monitoring wells. DTW 10.82' to 17.93' bg. Flows east–southeast. No LNAPL. MW–1, 14,887 ppb BTEX, 8.6 ppb MTBE. MW–2, 133.62 ppb BTEX, 0.4 ppb MTBE. 16.69 ppb BTEX, 30.4 ppb MTBE.

Checked with Hess PM, RAP for SVE and ORC socks approved, but not implemented yet. (RJF)

5/29/2007 – Feng – 3Q2006, 1/22/2007, by Delta. Groundwater sampled and gauged 9/26/2006. 3 monitoring wells. DTW 11.98' to 18.02' bg. Flows to southeast. LNAPL in MW–1 (0.02'). MW–1, 9,882 ppb BTEX, 7.7 ppb MTBE. MW–2, 0.45 ppb BTEX, 2 ppb MTBE. MW–3, 9.8 ppb BTEX, 20.6 ppb MTBE. (RJF)

8/15/2007 – Feng – 4Q2006, 7/2/2007. Groundwater sampled 12/13/2006. All 3 monitoring wells were sampled. DTW 12.09' to 18.14' bg. Flows to southeast. No LNAPL. MW–1, 17,027 ppb BTEX, less than 50 ppb MTBE. MW–2, BTEX ND, 1.7 ppb MTBE. MW–3, 21.7 ppb BTEX, 31.5 ppb MTBE. (RJF)

11/21/2007 – Feng – 1Q2007, 8/30/2007. Groundwater sampled 3/28/2007. All 3 monitoring wells were sampled. DTW 11.76' to 17.77' bg. Flows to southeast. No LNAPL. BTEX range ND to 10,616 ppb (MW–1). MTBE range 1.1 ppb to 13.6 ppb (MW–3). (RJF)

3/20/2008 – Feng – eDoc Quarterly Monitoring Report 3Q2007, 4Q2007 and 1Q2008. (RJF)

6/26/2008 – 3Q2007, 2/25/2008. Active service station. The monitoring well network was gauged and sampled on 8/22/007. The site was not sampled in 2Q2007. 3 monitoring wells were gauged and sampled. DTW 11.30' to 17.66' bg. Flows to southeast. No LNAPL. BTEX range ND to 9,528 ppb (MW–1). MTBE range ND to 14.2 ppb (MW–3).

4Q2007, 2/25/2008. Active service station. The monitoring well network was gauged and sampled 11/14/2007. 3 monitoring wells. DTW 12.27' to 18.54' bg. Flows to southeast. NO LNAPL. BTEX range ND to 10,323 ppb (MW–1). MTBE range N Dto 26.2 ppb (MW–3).

1Q2008, 3/10/2008. Active service station. The monitoring well network was gauged and sampled 2/7/2008. 3 monitoring wells. DTW 12.45' to 18.49' bg. Flows to southeast. NO LNAPL. BTEX range 1 ppb to 10,600 ppb (MW-1). MTBE range 1 ppb to 25 ppb (MW-3). (RJF)

10/29/2008 – 2Q2008, 9/20/2008, by Delta. Active station. The monitoring well network was gauged and sampled 6/27/2008. 3 wells were gauged. NO LNAPL. DTW 11.66' to 18.62' bg. Flows to southeast. 3 wells were sampled. BTEX range 0.67 ug/L to 9,770 ug/L (MW-1). MTBE range ND to 14.0 ug/L (MW-3). (RJF)

3/4/2009 – 3Q2008, 12/11/2008, by Delta. Active station. The monitoring well network was gauged and sampled 9/4/2008. 3 wells were gauged. LNAPL in MW-1 (0.02'). DTW 11.95' to 18.09' bg. Flows to southeast. 3 wells were sampled. BTEX range ND to 10,540 ug/L (MW-1). MTBE range 1.1 ug/L to 7.2 ug/L (MW-3).

4Q2008, 1/30/2009, by Delta. Active station. The monitoring well network was gauged and sampled on 12/17/2008. 3 wells were gauged. LNAPL in MW-1 (0.03'). DTW 11.57' to 17.57' bg. Flows to southeast. 3 wells were sampled. BTEX range ND to 9,980 ug/L (MW-1). MTBE range ND to 8.3 ug/L (MW-3). (RJF)

8/14/2009 – Reviewed Drilling Work Plan, dated 6/29/2009, by Delta, pdf copy via email. Delta proposes to install 2 monitoring wells northwest and southwest of MW-1. Email comments to Delta requiring one more downgradient well at the east side of the canopy. Revision due 9/2009. (RJF)

9/1/2009 – 2Q2009, 8/5/2009, by Delta. Active station. The monitoring well network was gauged and sampled on 6/29/2009. 3 wells were gauged. NO LNAPL. DTW 10.87' to 17.20' bg. Flows to southeast. 3 wells were sampled. BTEX range ND to 10,407 ug/L (MW-1). MTBE range ND to 7.1 ug/L (MW-3). (RJF)

9/11/2009 – email from Delta. attached with the SHAR of 12/29/2003. Delta installed SB-6 at the east side of the canopy/tanks. The boring was advanced to 11.5 feet bgs. Weathered bedrock was encountered at approximately 8 feet bgs and there was no overburden saturation. Soil sample taken from 9–11.5 feet, no VOCs/SVOCs detected. Delta requested not to install the well over there as required by DEC 8/14/2009. (RJF)

3Q2009, 12/7/2009, by ARCADIS. 3 wells were gauged and sampled on 9/25/2009. LNAPL in MW-1 (0.01'). Max benzene 81 ug/L (MW-1). Max BTEX 6,200 ug/L (MW-1). Max MTBE 6.3 ug/L (MW-3). ARCADIS requests to reduce the monthly gauging to quarterly based on the intermittent nature of LNAPL occurrence in MW-1.

4Q2009, 2/5/2010, by ARCADIS. 3 wells were gauged and sampled on 12/30/2009. DTW 11.34–17.20' bg. Flows to east-southeast. NO LNAPL. max benzene 34 ug/L (MW-1). Max BTEX 7,900 ug/L (MW-1). Max MTBE 5.2 ug/L (MW-1). Due to project transition, the monthly gauging did not occur in October, November or January 2010, but has now resumed. Installation of 3 additional wells was proposed to DEC 12/2009 and will schedule field upon approval.

3/16/2010 – Reviewed Investigation Work Plan revision, dated 3/8/2010, by ARCADIS. ARCADIS proposes to install 3 monitoring wells, MW-4 west of the canopy, MW-5 south of the canopy in between MW-1 and MW-2, MW-6 east of the canopy. Work plan is approved. Report due 6/2010. (RJF)

5/21/2010 – 1Q2010, 4/28/2010, by ARCADIS. 3 wells were gauged and sampled on 3/12/2010. DTW 19.73–21.33' bg. Flows to east-southeast. NO LNAPL. Max benzene 52 ug/L (MW-1). Max BTEX 7,500J ug/L (MW-1). Max MTBE 4.5J (MW-1). The 3 new wells are

scheduled to be installed in 5/2010. ARCADIS requests reduce monthly gauging to quarterly.

08/26/10: This spill case is transferred from R. Feng to J. Kolleeny. Reviewed Results of 2nd Quarter 2010 GW Monitoring and Subsurface Hydrocarbon Assessment Rpt by ARCADIS, both dated 8/16/10 (in eDocs). 2nd Quarter 2010 sampling shows high dissolved contam in well MW-1. Subsurface Invest Rpt. summarizes install'n & sampling of 3 new soil borings, two of which were converted into mon wells (3rd boring hit refusal on presumed bedrock w/o hitting GW). Borings found saturated zone soil contam at MW-4, and significant GW impacts at MW-4 and MW-5. ARCADIS proposed adding new wells to mon program, continued quarterly mon, and evaluation of remedial technologies, feasibility study and remedial action plan. I sent letter (in eDocs) to Jon Armstrong of BP, cc's to Ray Wagner and Andrew Korik of ARCADIS, asking for addt'l delin wells to north & west of most contaminated wells (MW-1, MW-4 & MW-5), with work plan for wells due by 9/17/10 and RAP due by 12/3/10. – J. Kolleeny

08/30/10: Spill no. at adjacent former Merit Station to north of site (cleanup being managed by Hess) is 9814075; see rpts in eDocs for GW data. – J. Kolleeny

09/01/10: On 8/27/10 received email from Ray Wagner of ARCADIS: I believe we can accommodate you on request to add Former UST areas to site plans, where applicable, and we have this info. We will begin this process; please keep in mind there may be a little lag in updating some sites as we will be pulling figures from archive site files sent from Delta. I would like to have a call with you to discuss recently submitted investig rpt for BP station 17782 and your request for addt'l delin wells to west & north of MW-4. Merit site to north has wells just north of MW-4, and stepping out to west of MW-4 is limited due to subway and street. Please let me know if you would be available to discuss this later today or early next week. Spoke with Ray later that day, asked if he could send site plan showing northern half of site (former Merit Station), where cleanup is being managed by Hess. On 8/30/10, he sent figure and 2009 rpt by EnviroTrac showing wells on north portion of site and GW data. I sent email: Thanks for fig. and rpt. Have you been able to find out anything about location of former USTs at former Amoco station? He replied he would have that info by 9/1/10. On 9/1/10, received email from Andrew Korik of ARCADIS showing former UST locations on former Amoco & Merit portions of site (in eDocs). I sent email to Andrew & Ray of ARCADIS, cc to Jon Armstrong of BP: Thanks for sending site plans with former UST locations. I looked over fig. and 2009 EnviroTrac rpt sent few days ago by Ray, and I also looked at more recent EnviroTrac rpt (July 2010) for northern (former Merit sta.) portion of site, and I see that monitoring well MW-4 on southwestern part of that site has either been destroyed or is not being sampled. Therefore, I believe that an addt'l well to north of ARCADIS well MW-4 on former Amoco site, near former property line, is warranted. In light of constraints posed by nearby subway & Grand Concourse, I will not at this time ask for addt'l delin wells west of contam area represented by wells MW-1, MW-4 & MW-5. Please contact me if you have questions. – JK

09/07/10: On 9/2/10, received email from Andrew Korik of ARCADIS with attached site plan showing proposed addt'l well location as requested (in eDocs). Email stated: Per your rqst, see attached fig which shows location of one addt'l mon well proposed to be installed near former property boundary north of our existing MW-4. With your approval, we will schedule install'n & sampling of this well in accordance with procedures outlined in 3/8/10 Work Plan, approved by NYSDEC. Please contact me if you have any questions. Due to proximity of subway tunnel under street and portion of sidewalk, well may need to be moved 5 or 10 ft to east pending comments from NY MTA. Thank you. On 9/7/10, I sent email reply, with cc's to Ray Wagner of ARCADIS & Jon Armstrong of BP: I would prefer if you could install new well about 5 ft to south of proposed location shown on attached drawing. However, I understand that final location of well may be largely determined by presence of subsurface utilities. Please consider this email as authorization to proceed with install'n of addt'l mon well. Well should be installed in accordance with procedures outlined in 03/08/10 Work Plan approved by NYSDEC. Feel free to contact me if you have any questions. Andrew wrote back: Will try to install per your preference, assuming field conditions allow. – JK

11/22/10: Received email from Andrew Korik of ARCADIS: Just wanted to update you on work at BP site 17782 at 350 Grand Concourse. We installed and sampled addt'l well along sidewalk as requested. I am just wrapping up combined 3rd quarter rpt/well install'n rpt and expect to have something to you next week. We are also reviewing remedial alternatives and will be developing a RAP shortly. – J. Kolleeny

03/01/11: Reviewed Results of 3rd Quarter 2010 GW Monitoring and Intall'n of Addt'l GW Mon Well rpt by ARCADIS dated 12/3/10 (in eDocs). Results of Sept. 2010 GW sampling show MW-1 had 4,050 ug/L total BTEX (down from 7,890 ug/L in June 2010), MW-4 had 6,390 ug/L tBTEX (down from 13,600 ug/L in July 2010). New well MW-6A was intalled as requested by DEC; soil samples showed VOC detections but no TAGM 4046 exceedances in sample at GW interface (12.5–13 ft bgs), but significant exceedances in soil sample from below water table (18–18.5 ft bgs), including 15 mg/kg ethylbenzene, 73 mg/kg m,p-xylene, 19 ug/L o-xylene, 42 mg/kg 1,2,4-trimethylbenzene, and 14 mg/kg 1,3,5-trimethylbenzene. GW sample from new well MW-6A, taken in Oct. 2010, was very contaminated, with 12,500 ug/L tBTEX and over 15,000 ug/L total VOCs. Rpt recommendations state quarterly GW monitoring will continue, with MW-6A added to mon program, and that RAP will be prepared and submitted to DEC in Jan. 2011. – J. Kolleeny

04/08/11: Reviewed 4th Quarter 2010 GW Monitoring and Analysis Rpt by ARCADIS, dated 3/7/11 (in eDocs). Results of Nov. and Dec. 2010 GW sampling show MW-1 had 6,150 ug/L total BTEX in Nov. 2010 (up from 4,050 ug/L in Sept. 2010) and increased to 10,700 ug/L tBTEX in Dec. 2010; MW-4 had 9,520 ug/L tBTEX in Nov. 2010 (up from 6390 ug/L in Sept. 2010) and increased to 10,600 ug/L tBTEX in Dec. 2010; MW-6A, not sampled in Nov. 2010, had 12,800 ug/L tBTEX in Dec. 2010 (up a little from 12,500 ug/L in Oct. 2010). Rpt recommendations state quarterly sampling & monthly gauging will continue, and RAP will be submitted in March 2011. – JK

04/11/11: Reviewed Remedial Action Work Plan for Anaerobic Biological Oxidation by ARCADIS, dated 2/28/11 (in eDocs). RAWP proposes injection of sulfate via 5 new injection wells, to enhance bioremediation and address persistent GW contam along west side of site. After 1st injection, one or two rounds of performance monitoring will be performed to determine frequency of addt'l injections. I sent approval letter (in eDocs) to Jon Armstrong of BP, cc's to Andrew Korik & Gene Choquette of ARCADIS. – J. Kolleeny

4/11/2011 – Spill transferred back to JFeng.

5/4/2011 – email from Andy Korik June ~ we are scheduled to install the injection wells per the approved RAWP starting Monday May 9 at the 350 Grand Concourse site. Please call me if you have any questions. Can we change the monthly gauging to quarterly at these sites where we have not seen product in over 1 year?

5/5/2011 – email to Andy Korik

Andy,

Yes, you can switch from monthly gauging to quarterly gauging for this site. In yesterday's email you said the field work will start on Monday 5/9/2011, how many days are you expected to be in the field?

June

email from Andy Korik The first day will be coring and hand clearing of the borings. I expect the well installations will start on Tuesday and be finished on Thursday ~ so 4 days on site (3 if things go very quickly). JF

5/17/2011 – received email attached with 1Q2011 quarterly report. eDoc. JF

5/25/2011 – email from Andy Korik of ARCADIS June ~ here is notification that the injection wells were installed at 350 Grand Concourse. Injection well IW-03 could not be installed due to shallow refusal with 4 attempts. We can compensate by increasing injection volumes at the other 4 wells. Still waiting for USEPA approval to inject.

Sulfate Injection Well Installation Notification was attached. eDoc. JF

7/11/2011 – 1Q2011, 5/17/2011, by ARCADIS. The groundwater samples were collected on 3/31/2011. 6 wells were sampled. MW-6A located in the north of MW-4 and west of the canopy was installed in 10/2010. NO LNAPL. The site is changed to quarterly gauging. Max BTEX 11,000 ug/L (MW-6A). Max MTBE 12 ug/L (MW-5).

Sulfate Injection Well Installation Notification, 5/25/2011, by ARCADIS. The installation of four sulfate injection wells took place during the week of May 9 through May 13, 2011. The approved RAWP specified that 5 injection wells to be installed; however, due to refusal at 1.5 to 5 feet depth during 4 attempts to install well IW-03, an injection well was not installed at the proposed IW-03 location. Injection volumes at IW-2 and IW-04 can be adjusted to compensated for the absense of IW-03. They submitted an Inventory of Injection Wells package to USEPA on 5/5/2011. Will notify DEC one week prior to the injection. No soil and groudwater samples taken. JF

5/8/12 – Raphael Ketani. Mr. Korik submitted a proposal to the DEC on 5/1/12 requesting to use sodium nitrate in place of sodium persulfate for treating the groundwater contamination at the site. After review by our technical staff, a number of comments and requests were submitted to me for forwarding to Mr. Korik. I put the comments and requests in a draft letter for the review of Hassan Hussein, EE III at Region 2 DEC.

In brief, the letter approved the use of sodium nitrate and requested bacteria culture information, dosing information, nitrate enriched groundwater management information, that the groundwater must be kept anoxic and a warning regarding the regulated use of sodium nitrate.

Mr. Hussein approved the letter and it was sent out today.

5/24/12 – Raphael Ketani. Today I received the ARCADIS 5/24/12 First Quarter 2012 Groundwater Monitoring and Analysis Report. I reviewed the report. NAPL was not present in any of the wells during this quarter. Groundwater flow was to the east. MW-2 was not accessible in March 2012. MW-1 had 1900 ppb ethylbenzene and 3600 ppb total xylenes. MW-4 had 1700 ppb ethylbenzene and 4100 ppb total xylenes. MW-5 had 380 ppb total xylenes. MW-6A had 1100 ethylbenzene and 6600 total xylenes. The first round of sodium nitrate injections is scheduled to take place at the end of the third monitoring quarter, pending DEC approval.

5/30/12 – Raphael Ketani. Earlier, Mr. Korik had sent me an ARCADIS 5/23/12 response letter to the Department's 5/7/12 conditional approval letter regarding the use of sodium nitrate in place of sodium persulfate. I reviewed the response letter which addressed the 7 comments the Department had made. Their responses were as follows:

1) ARCADIS sent a letter daated 2/29/12 to the EPA indicating that they will use sodium nitrate in place of the sodium persulfate. However, they haven't had a response from the EPA.

2) The amounts of sodium nitrate that will be on site will be less than the 400 pound limit. For this site, 120 lbs. of the

material will be stored on site at any given time.

3) Dosing information was presented and was deemed appropriate.

4) Quantitative polymerase chain reaction was used to evaluate the presence of *Dichloromonas* species bacteria.

5) By using appropriate amounts of the sodium nitrate chemical, the nitrate concentrations will be maintained in order to keep the groundwater environment anoxic.

6) The push pull method will be used to extract any groundwater. This method doesn't cause the reorientation of the soil grains which would result in a loss of the efficiency of the injections. They state that there will be minimal groundwater displacement.

7) The nitrate concentrations will decrease in two ways: first, nitrate reducing bacteria and reduced minerals will change the nitrate to nitrite and eventually to nitrogen gas. Secondly, the nitrate will be diluted by the downgradient groundwater. Estimates of the distance traveled by 1000 ppm nitrate groundwater until it becomes 10 ppm nitrate groundwater were included in a table. The nitrate enriched groundwater under the site will have to travel 60 feet in order to reach CP-51 levels.

Later today, a conference call took place between Mr. Korik, other staff from ARCADIS, staff from BP and myself. The proposed use of sodium nitrate was discussed. Specifically, the ARCADIS 5/1/12 sodium nitrate proposal, the Department's comments in our 5/7/12 response letter and the information in the ARCADIS 5/23/12 response letter. I stated that the Department considered that ARCADIS, and thereby BP, had adequately responded to the Department's comments with the exception of item #7, monitoring nitrate concentrations in the groundwater. Mr. Korik explained that, for BP station #17782, there were on site monitoring wells 80 feet downgradient of the injection locations. I stated that this was sufficient for monitoring the groundwater.

The ARCADIS 5/23/12 response letter was found to be acceptable with the only comment being that they will have to frequently sample the groundwater in order to be sure that it does not exceed the CP-51 standards. If they find that the standards are exceeded, then they will have to propose a means for managing the excess nitrate. ARCADIS must submit a letter plan with a work schedule by June 29, 2012 for conducting the injections and submitting quarterly groundwater monitoring reports. I drafted a letter for the review of Hassan Hussein, EE III and head of the Hazardous Materials Unit.

5/31/12 – Raphael Ketani. Mr. Hussein approved the letter and it was sent out.

6/19/2012 – meeting with ARCADIS. Pilot in the IW-4, and monitor MW-1, MW-4 and MW-5. Pay attention to the benzene during the pilot. If not working, will plan for aerobic, i.e. oxygen release, which is fine with MTA.

6/26/2012 – Reviewed Supplemental Letter Work Plan for Nitrate Injections, dated 6/19/2012, by ARCADIS. The Work Plan is intended to fulfill the Department's requirement of specific information (i.e. monitoring, reporting and injection details) regarding the injections as part of the Department's approval of the proposal to use sodium nitrate to treat the contamination on May 30, 2012. ARCADIS proposes to inject 5,300 gallons, 8,000 gallons, and 5,300 gallons of sodium nitrate solution at a concentration of 0.3% by weight into the injection wells for Site 654, Site 5082, and Site 17782, respectively. A groundwater monitoring program will be implemented subsequent to the application. Approves the Work Plan after discussed with Raphael Ketani. Report by 12/2012.

8/28/2012 – 1Q2012, 5/24/2012, by ARCADIS. Groundwater was sampled on 3/6/2012. DTW 12.86 (MW-5) to 18.07' blow the top of

casing. NO LNAPL. On 10/27/2011, high vacuum extraction (HiVac) event on IW-1 was conducted for 6-hour duration due to the historical appearance of LNAPL. Next sampling will be in 6/2012. MW-6A, 7,700 BTEX. MW-4, 6,000 BTEX. MW-1, 5,600 BTEX. MW-5, 490 BTEX, 29 MTBE.

10/18/2012 – 2Q2012, 8/30/2012, by ARCADIS. Groundwater was sampled on 6/12/2012. DTW 12.23 (MW-5) to 17.96 (MW-3). Flows to east at a hydraulic gradient of 0.16 feet per foot. MW-6A, 7,100 BTEX. MW-4, 5,200 BTEX, 6 MTBE. MW-1, 5,500 BTEX, 3 MTBE. MW-5, 350 BTEX, 140 MTBE. The first round of calcium nitration injection was conducted in August 2012. Dose-response monitoring, analytical data and remedial efficacy will be evaluated and presented in the 3rd quarter monitoring report along with dosing recommendations for future injections.

12/20/2012 – 3Q2012, 11/12/2012, by ARCADIS. Groundwater was sampled on September 21, 2012. DTW 11.36 (MW-2) and 18.45 (MW-3). Flows to east at a hydraulic gradient of 0.18 feet per foot. Over the period of August 14 to August 24, 2012, approx 23,858 gallons of calcium nitrate solution were injected into IW-04. Post injection response monitoring is on-going and will continue through early November. MW-6A, 5,600 BTEX. MW-4, 5,400 BTEX. MW-1, 4,600 BTEX. MW-5, 380 BTEX.

8/21/2013 – met with ARCADIS. The calcium nitrate injection was done in 8/2012. 2,400 gallon has been injected. MW-1 got some LNAPL 0.02'. Need to monitor.

8/26/2014 – 2Q2014, 8/21/2014, by ARCADIS. Groundwater sampled on 6/24/2014. MW-6A, 2,300 BTEX. MW-4, 2,200 BTEX. MW-1, 5,400 BTEX. in DecDocs.

8/26/2014 – Reviewed letter dated 8/21/2014 from ARCADIS, Review of Metro-North Property East of. ARCADIS conducted a preliminary site reconnaissance to observe condition on Metro North property adjacent to the east side of the BP site. The picture shows that the area between the gas station and the Metro North track was heavily vegetated. The track do not appear to be more than 8–10 feet below the level of the gas station. Direct observation of the ground surface was not possible. ARCADIS proposed to return the site when the vegetation has died to ascertain the difference in grade. in DecDocs.

2/24/2015 – 3Q2014, 1/15/2015. Monitoring on 9/5/2014. DTW 12.13 (MW-2) to 15.10 (IW-1). MW-1, 6,800 BTEX. MW-4, 4,600 BTEX. MW-6A, 3,600J BTEX.

4Q2014, 2/24/2015. Monitoring on 12/1/2014. DTW 11.54 (MW-2) to 18.80 (MW-3). Flows to northwest. MW-1, 8,200 BTEX. MW-4, 3,200 BTEX. MW-6A, 2,800 BTEX.

10/6/2015 – 1Q2015, 6/11/2015. Groundwater was sampled 3/16/2015. DTW 7.02 (MW-4) to 12.33 (MW-6A) feet below TOC. MW-1, 6,300 BTEX. MW-4, 120 BTEX. MW-6A, 980 BTEX.

2Q2015, 8/10/2015. Groundwater monitoring on 6/22/2015. DTW 12.2 (MW-4) to 19.02 (MW-3). Flows to east. MW-1, 4,500 BTEX. MW-4, 1,100 BTEX. MW-6A, 1,100J BTEX.

3/30/2016 ~ Feng – This spill is transferred from J. Feng to J. Vought as per J. Vought.

9/15/16–Vought–File review to date:

Email from Arcadis (Buchanan)–5/26/16. Email that Good afternoon Jeff, Please let me know if you any availability to discuss a

few BP sites. I have two sites (00147 and 10466) at a critical cross roads that I would like to discuss, also the two pending NFA requests. I am attaching some supporting documentation and listing my thoughts below: Request for no further action submitted October 2015. We have insurance premium due with MTA to maintain our monitoring wells, I would like to get your feeling on this request so we can decide whether to renew the insurance or not.

Email from Arcadis (Buchanan)–6/17/16. Email that Good afternoon Jeff, I know you are extremely busy, but have you had a chance to review any of these items? I am pressured weekly by BP, especially regarding 07–01266. Please let me know when you have a few minutes to talk. Thanks

Email from Vought to Buchanan–6/20/16. Email that Ira, Apologies for my delay in response. I reviewed your below email and attachments and thought I would respond on each site, in lieu of scheduling a call. With regards to 350 Grand Concourse, I will put this review in my recent queue to hopefully review before I leave for vacation next week. To make things a bit more expedient, I would be much obliged if you could resent the closure request. Attached was Site Closure Summary Package. Vought added Site Closure Summary Package to D2 and reviewed:

Site Closure Summary Package (Arcadis)–10/9/15. Contains Spill Closure Presentation that notes Was originally 2 adjoining gas stations: Merit to the north and Amoco to the south, Both stations and property redeveloped into a single BP station in 2002 , and Spill number 0111974 issued when impacts encountered during tank removal in 2002 . Five 4,000–gallon underground gasoline storage tanks and one 550– gallon waste oil tank (reportedly installed in 1977), and associated piping and pump islands were removed from the former Merit station. Five 4,000–gallon steel gasoline USTs and associated piping and pump islands were removed as part of closure of the Amoco station. MTBE detected above TAGM soil cleanup standards if four of ten post excavation samples. Remediation history includes 1999: 411 tons of soil excavated and removed from the former Merit station. 2002: Site is redeveloped into a single BP station. 1,360 tons of soil excavated and removed... Four injection wells installed. Hi–vacuum extraction event at IW–04. Presentation concludes that: Mann–Kendall analyses show decreasing VOC concentration trends in all monitoring wells (Attachment 5). ; LNAPL last detected in December 2013 (0.01–feet thickness) at IW–01. ; Dissolved VOC concentrations have fallen by an order of magnitude(13–14 ppm to 1 ppm) at the two most impacted wells (MW–4 and MW–6A) since 2010 (Attachment 6). ; Available soil data shows limited exceedances of soil cleanup criteria. ; Most recent groundwater data shows benzene exceeding groundwater standards at only one well (MW–1 at 10 ug/L).

9/16/16–Vought–Examined other files in D2 for same site and one monitoring report shows groundwater flow to the east and also shows U–Haul facility across Grand Concourse from site. Other document from Arcadis in 2014 shows no observed impact to MTA tracks downgradient from site which is also not a sensitive receptor. Spill closed due to: 1)reducing petroleum VOCs in groundwater due to attenuation 2)delineation of the residual groundwater contamination 3)no possible impact to receptors to the west due to depth of groundwater and likely depth of basements 4)no further feasibility (including cost effectiveness) to perform further remediation as per CP51 Commissioner's Policy 5)no threat to the wider community as per discussions with DEC Central Office 6)site use will not change and will remain a commercial gas station 7)inclusion of soil contamination clause in spill closure letter. Spill closure letter sent to Randy Coil with cc to Arcadis Buchanan via email and original sent to BP via US mail and added to D2.

11/30/2016 – email from Ira Buchanan to J. Vought Arcadis received spill closure (attached) on September 16th. We mobilized to the site on October 6, 2016 to decommission wells. Wells abandoned include MW–1, MW–3, MW–5, IW–4 and IW–5. When the field crew gauged IW–1, approximately 0.62 feet of LNAPL was encountered. The field crew stopped work at this time leaving IW–1, IW–2, MW–2, MW–4 and MW–6A intact. On November 16, Arcadis subcontractors mobilized to the site with a vacuum extraction truck and set up on IW–1. Prior to beginning the vac event, IW–1 was gauged and had 0.41 feet of LNAPL. IW–2, MW–4 and MW–6A were gauged and did not

have LNAPL. MW-2 was not gauged due to a large puddle over the well pad. MW-2 has been historically non-detect for VOCs or detections less than 10 ppb. The November 16 vac event lasted for 8 hours and recovered approximately 45 gallons of petroleum-impacted water from IW-1. The wells were gauged again on November 29, 2016 at which time no LNAPL was observed in IW-1 or the other wells. Based on the information and actions described above, we request permission to continue with abandonment of the remaining 5 wells.

email from J. Vought to Ira Buchanan Ira, Thanks for keeping me posted. Question for you: What is the site address for this site? When the Department closed the spill we attempted to ensure that there was a decreasing trend in the groundwater contamination in the remaining dissolved contaminants. With the appearance of free product we have to re-examine the trend to make sure that the remaining contamination is indeed attenuating. As such I am thinking that at least a few quarters of monitoring to re-establish that trend is warranted. However, I must admit I write the above with no site specific knowledge in hand (eg impending development). I will discuss the above with June and also we will consider reopening the spill if warranted. If this appears to be the best course of action we can have a teleconference to discuss further. We will keep you posted and feel free to forward this email onto the consultant as well, -Jeff

12/2/2016 – email from J. Feng to Ira Buchanan Ira, I agree with Jeff that at least a few more quarters of monitoring is necessary to re-establish the trend for the observed product thickness, e.g. 0.62 and 0.41 feet. The history of this injection well has never shown this much product before, e.g. with max of 0.11 feet on 8/11/2011 and last seen 0.01 feet on 12/20/2013. We will need to re-open the spill to do that. Let's do the call next Monday 12/5/2016, at 11:00am? Let us know.

12/5/2016 – Feng – conference call among ARCADIS Andy Korik and Ira Buchanan, and NYSDEC J. Vought and J. Feng. Agreed to continue quarterly groundwater monitoring for IW-1, i.e. gauging, sampling of dissolved, product recovery if there is any for two more quarters. Spill to be re-opened.

12/7/2016 – spill is re-opened. re-opening letter to BP Randy Coil and ARCADIS. Changed lead from Jeff Vought to June Feng.

5/2/17–Vought–Received Well Decommissioning Summary, Remedial Activities and Groundwater Analytical Summary for First and Second Quarter 2017 from Arcadis (Korik). Vought sent an email to Korik with cc to Buchanan and Feng that

Andy, The report notes that "Based on Arcadis' December 2016 phone conversation with Mr. Jeffrey Vought, if LNAPL was not observed in IW-01 during the January and April 2017 gauging and sampling, NYSDEC would consider closure of the spill number." However, our spill notes of the email correspondence from December 2016 noted that: "email from J. Vought to Ira Buchanan Ira, Thanks for keeping me posted. Question for you: What is the site address for this site? When the Department closed the spill we attempted to ensure that there was a decreasing trend in the groundwater contamination in the remaining dissolved contaminants. With the appearance of free product we have to re-examine the trend to make sure that the remaining contamination is indeed attenuating. As such I am thinking that at least a few quarters of monitoring to re-establish that trend is warranted. However, I must admit I write the above with no site specific knowledge in hand (eg impending development). I will discuss the above with June and also we will consider reopening the spill if warranted. If this appears to be the best course of action we can have a teleconference to discuss further. We will keep you posted and feel free to forward this email onto the consultant as well, -Jeff 12/2/2016 – email from J. Feng to Ira Buchanan Ira, I agree with Jeff that at least a few more quarters of monitoring is necessary to re-establish the trend for the observed product thickness, e.g. 0.62 and 0.41 feet. The history of this injection well has never shown this much product before, e.g. with max of 0.11 feet on 8/11/2011 and last seen 0.01 feet on 12/20/2013. We will need to re-open the spill to do that. Let's do the call next Monday 12/5/2016, at 11:00am? Let us know. 12/5/2016 – Feng – conference call among ARCADIS Andy Korik and Ira Buchanan, and NYSDEC J. Vought and J. Feng. Agreed to

continue quarterly groundwater monitoring for IW-1, i.e. gauging, sampling of dissolved, product recovery if there is any for two more quarters. Spill to be re-opened. Furthermore, the Department letter dated 12/7/16, also in Appendix D of the report, noted that we required collection of dissolved samples as well. Please collect at least two quarters of dissolved quarterly samples in hopes of demonstrating an attenuating trend of dissolved samples, which the Department requires on all of its petroleum contaminated sites. Please let us know if you would like this formalized in a letter which would be a reissuance of the December 7, 2016 letter. Thanks, Korik replied We do have two quarters (January and April 2017) of dissolved analyses for IW-01 in the report. You would like two additional quarters? Vought replied Andrew, I stand corrected and thanks for the clarification. So much for those quick early morning reports scans. Two quarters will be enough for us to consider closure. Thanks and apologies for the confusion .

5/31/2017 – Feng – This spill is transferred from June Feng to Jeffrey Vought as per Jeffrey Vought.

12/12/17 – Austin – Assigned from Vought to Feng – end

5/24/2018 – Feng – Reviewed the Well Decommissioning Summary, Remedial Activities and Groundwater Analytical Summary for First and Second Quarter 2017 (the Report), dated May 1, 2017, prepared by Arcadis U.S., Inc (Arcadis). The Report summarizes the groundwater monitoring activities subsequent to the re-opening of the above referenced spill and requests spill closure. Please note that the spill was closed on September 16, 2016. The spill was then re-opened on December 7, 2016 due to the discovery of 0.62 feet of LNAPL in IW-01 on October 6, 2016.

Groundwater monitoring shows that BTEX concentration is 33,650 ug/L in the January 2017 sampling event. Another groundwater monitoring in April 2017 shows BTEX concentration of 31,541 ug/L. The well IW-01 was installed and used as an injection well. No groundwater sampling has been performed until these two monitoring events and thus no groundwater concentration trend has been established for this well. Adequate remediation is required to reduce the BTEX concentration before spill closure can be granted.

letter denying spill closure to BP/ARCADIS. RAWP is required within 90 days, by end of August 2018.

11/19/2018 – Feng – Reviewed Remedial Action Work Plan, 7/18/2018. And the 3Q2018 Report, 10/26/2018. Arcadis proposed to do VTE events on IW-01 monthly for 3 months and then evaluate further. 3Q2018 show still elevated BTEX concentration in IW-01. Approved the work plan. Arcadis will report back after 3 months.

Map Identification Number 45**COMMERCIAL PROPERTY**

355 EXTERIOR ST

BRONX, NY

Spill Number: 1901885**Close Date:**

TT-Id: 520A-0352-632

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1783 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name:	Caller Agency:	Caller Phone:
DEC Investigator: HRPATEL	Contact for more spill info: DEREK ERSBEK	Contact Person Phone: (631) 589-6353

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/23/2019		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL, GROUNDWATER

Caller Remarks:

in parking lot – in soil and groundwater – cleanup pending

DEC Investigator Remarks:

5/23/19 – Sekhon

The property owner--

355 Exterior Street Associates, LLC c/o The Lightstone Group LLC 1985 Cedar Bridge Ave., Suite 1 Lakewood, NJ 08701 Attn.: Bryan Ramm bramm@lightstonegroup.com

PW Grosser in the process of completing our Phase II ESA for the property. While reviewing the preliminary analytical data, they identified VOCs in excess of Restricted-Residential Use Soil Cleanup Objectives and Ambient Water Quality Standards at an isolated area. There is no documented history of tanks at the site and not aware of an onsite source at this time.

1,2,4-Trimethylbenzene -----160 mg/kg 1,3,5-Trimethylbenzene-----63 mg/lg Ethylbenzene -----1.1 mg/kg
 n-Butylbenzene -----17 mg/kg n-Propylbenzene -----33 mg/kg and sec-Butylbenzene -----24 mg/kg

in the soil at SB009_E (soil sample is from the smear zone) and

Isopropylbenzene -----10.6 ug/L n-Propylbenzene -----16.4 ug/L and sec-Butylbenzene -----5.96 ug/L

in the groundwater at MW004.

Once the report will be ready, PW Grosser will forward to DEC for our review. Case discussed/transferred to DEC Kumar for follow up.

05/23/19–Hiralkumar Patel. 1:17 PM:– received Phase I report from Derek. site is occupied by one commercial–use building and an asphalt parking area. site appears to have been historically used commercial and industrial proposes, including a lumber yard from 1908 to 1924, and a freight train support facility from approx. 1928 to 1966. between 1966 to current day, the site appears to be utilized for mixed commercial use including lumber distribution, a roofing company and Bronx Paper Products.

06/04/19–Hiralkumar Patel. received email from Derek (at 2:22 PM on 06/03/19) including copy of BCP pre–application worksheet.

09/24/19–Hiralkumar Patel. 1:03 PM:– sent email to Derek inquiring updates. 1:29 PM:– received email from Derek. he mentioned that they had pre–application meeting with the NYSDEC and are currently preparing the BCP application and the Remedial Investigation Work Plan (for additional delineation of petroleum). documents will be submitted next week.

12/04/19–Hiralkumar Patel. 1:59 PM:– spoke with Derek. he mentioned that a supplemental investigation was conducted at the site and a remedial investigation work plan has been drafted. investigation report and RIWP will be submitted with BCP application by end of this week. asked Derek to send documents for review. informed him that the case will be managed by Spills unit until the site is accepted in BCP.

BCP pre–application meeting on 06/13/19.

Map Identification Number 46		FORMER CITYGAS/LAGE CAR WASH		Spill Number: 9909720		Close Date:	
		315 GRAND CONCOURSE		BRONX, NY 10451		TT–Id: 520A–0008–940	
MAP LOCATION INFORMATION				ADDRESS CHANGE INFORMATION			
Site location mapped by: PARCEL MAPPING (1)				Revised street: NO CHANGE			
Approximate distance from property: 2132 feet to the S				Revised zip code: NO CHANGE			
Source of Spill: GASOLINE STATION OR PBS FACILITY		Spiller: 315 GRAND CONCOURSE		Spiller Phone:			
Notifier Type: Other		Notifier Name: SCOTT GRAHAM		Notifier Phone: (914) 345–0784			
Caller Name: SCOTT GRAHAM		Caller Agency: S & W SERVICES		Caller Phone: (914) 345–0784			
DEC Investigator: AXDORONO		Contact for more spill info: MR LAGE		Contact Person Phone: (914) 793–5201			
Category:		Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.					
Class:		Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency					
Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
11/10/1999		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CAR WASH A WHILE AGO WAS A GAS STATION–SITE ASSESSMENT PERFORMED WHICH SHOWED SOIL TO BE CONTAMINATED.

DEC Investigator Remarks:

PBS 2–402877

On December 8, 1999, DEC Sigona called S & W and spoke to Ms. Antoinette Day, who would leave a message for Scott Grahm. DEC Requested a copy of site assessment provided mailing address to S & W.

1/7/04 Reassigned from Sigona to K Foley. Formerly Citygas station. (KMF) 3/22/06 Reassigned from Foley to Tang.(KMF)

12/20/06: This spill is transferred from Mr. Koon Tang to Q.Abidi. Called Mr. Lage (914)793–5201 and left message to call me back regarding information of the spill. –QA

03/05/07: Called at (914)793–5201, They don't know about S & W Company and they don't have any clue for this spill. –QA

04/03/07: Called Mr. lage at (914)793–5201 he was not available left message to call me back. –QA

07/11/07: Called Mr. John Lage (owner) at (915)637–3895 to discuss regarding present status of the spill. He was not there talked to Mr. Tony Ribeiro, Office Manager (Lage Management Corporation) he said he has already done Phase 1 and Phase 2 and he said he will send me the reports. –QA

08/30/07: Called Mr. John Lage (owner) at (914)637–3895 for Phase 1 and Phase 2 report. He was not there left message to call me back. –QA

09/06/07: Called Mr. John Lage at (914)637–3895 he was not there, left message to called me back to discuss regarding Phase 1 and Phase 2 report that i did not received. –QA

09/13/07: Called Mr. John Lage (LMC) at (914)637–3895 he was not there. Left message to call me back. –QA

09/17/07: Called Mr. John Lage (LMC) at (914)637–3895 He was not there. Left message to call me back. –QA

09/21/07: Called Mr. John Lage (LMC) to discuss regarding spill. He was not there left message to call me back. –QA

10/05/07: Called Mr. John Lage (LMC) to remind him to send Phase 1 and Phase 2 report. He was not there left message to call me back. –QA

06/26/2008: This spill case was transferred to A. Doronova. – AD

11/2008: To find a current owner. To send an INL. AD

12/22/2008: Called and left a message to Mr. Lage's secretary. Found on ACRIS information that Citicorp North America Inc. (Invine, CA) owns the property now. Was given phone number: (212)816-0885 of Patricia Brigantic (Office of General Counsel for this company). Called and left a message. AD

12/29/2008: Did not receive any response yet. Called and left messages to Mr. Lage and Ms. Brigantic. AD

04/06/2009: Did not receive any response yet. Called few times. Later spoke with P. Brigantic regarding the spill. She asked me to email her this request, in order to forward it to a person in charge of environmental issues in this company. Sent an email to P. Brigantic. AD

04/08/2009: Received an email from P. Brigantic saying:

Ms. Doronova- I have checked internally here at Citi and this does not relate to any of my clients. I have forwarded this information to the 2 co-heads of Citi's litigation dept. and they will assign it to someone.

Thanks and regards, Patricia

AD

04/20/2009: Received a phone call from Preston Turner - Associate General Counsel of Citi Litigation Service Center. He was referred this case from P. Brigantic. Informed him about site's situation. Mr. Turner will check his files for this property and get back to us. He also asked for time extension to respond on my e-mail, which was granted. AD

04/22/2009: Received an email from P. Tutner of Citi saying:

Dear Ms. Doronova: This e-mail will confirm our telephone conversation wherein I responded to your e-mail originally sent to Patricia Brigantic of Citigroup, Inc.

Citigroup North America, Inc. is a separate legal entity, and will respond to your inquiry.

This e-mail will confirm that you have extended the date by which Citigroup North America, Inc. must respond to your inquiry to May 20, 2009.

Thank you for the accommodation.

Preston Turner Associate General Counsel Citi Litigation Service Center 300 St. Paul Place, BSP17D Baltimore, MD 21202 (410) 332-3687 (443) 450-4314 (Facsimile)

AD

05/18/2009: Received an e-mail from P. Turner saying:

Dear Ms. Doronova:

This e-mail will respond to the Division of Environmental Remediation's inquiry below related to NYSDEC Spill No. 9909720, and 315 Grand Concourse, Bronx, NY – Block #02344, Lot #0027 (the Property). By e-mail dated April 22, 2009, I confirmed with you the extension you granted to Citigroup North America, Inc. to respond to the inquiry by May 20, 2009.

I write to advise you that after inquiry, I have determined that Citigroup North America, Inc. (CNAI) is not an owner of the Property. CNAI is an assignee of a security interest in the Property, but not an owner. According to the records on file with the New York City Department of Finance, the current owner of the Property is: 315 R.E. CORP., a New York Corporation. 315 R.E. CORP. is the owner by virtue of a Deed from the New York City Economic Development Corporation recorded on August 15, 2000. See enclosed ACRIS Search Results for the Property as of April 20, 2009. CNAI is the assignee of a Mortgage as reflected in the enclosed January 26, 2004 Assignment of Mortgage, which was recorded in the land records on or about July 27, 2004.

For your information, the New York Division of Corporations identifies the following information about 315 R.E. CORP.:

Principal Executive Office: 4291 Boston Post Road, Pelham Manor, NY 10803. Chairman/CEO: John Lage. I believe 315 R.E. CORP. is represented by Robert Bernstein, Esquire of Scarsdale, NY (914) 472-8455.

As Citigroup North America, Inc. is merely an assignee of a security interest in the Property, and not the owner of the Property, CNAI is not in control of the Property, including any current remediation efforts. If you disagree and contend that CNAI is responsible as a person with merely a security interest in the Property, please let me know. Otherwise, I will respectfully consider this inquiry satisfied.

Thank you again for the accommodation in extending the response date to your inquiry. I hope the information I have provided you as to the Property's ownership is useful in your future inquiries related tot he Property.

Sincerely,

Preston Turner Associate General Counsel Citi Litigation Service Center 300 St. Paul Place, BSP17D Baltimore, MD 21202 (410) 332-3687 (443) 450-4314 (Facsimile)

To send an Outstanding Violation letter to the owner:

John Lage 315 R.E. CORP.: 4291 Boston Post Road, Pelham Manor, NY 10803

Also, 315 R.E. CORP. is represented by Robert Bernstein, Esquire of Scarsdale, NY (914) 472-8455.

Issued and sent an Outstanding Violation letter to Mr. Lage. Response is due June 18, 2009. AD

06/01/2009: Received some documentation from Mr. Lage. Will review. AD

08/19/2009: Reviewed the submitted data. It includes: – Tank Removal proposal dated November 9, 1999 from Papitto Construction Co., Inc. addressed to Mr. Lage; – Subsurface investigation report (SIR) dated November 4, 1999 prepared by S&W Services, Inc. addressed to Mr. Vincent Papitto of Papitto Construction Co., Inc. The SIR states that S&W Services completed the investigation at the site on October 21, 1999. The site has one 4,000-gallon UST, one 6,000-gallon UST and fourteen 550-gallon USTs. SI included advancement of 14 soil borings around USTs and collection of 14 soil samples for VOCs and SVOCs analysis. Soil boring logs data

indicate that the depth to bedrock across the site ranges from approximately 1 foot to 6 feet. VOCs analytical data indicates very highly contaminated areas in the vicinity of soil borings: SB-4, SB-5, SB-7, SB-9, SB-10 and SB-11. High concentrations of SVOCs were found in borings: SB-1, SB-3, SB-4, SB-5, SB-10 and SB-12. The consultant recommended removal of USTs and contaminated fill material. No documentation was submitted on USTs removal. AD

10/29/2009: Searched in PBS base for USTs removal info. This site has PBS# 2-402877. According to PBS Facility Information Report, eight USTs were removed from the site on December 17, 2001. USTs description matches description of the tanks in Tank Removal Proposal from Papitto Construction Co., Inc. To contact Mr. Lage and request submission of the USTs Closure report. AD

01/08/2009: Called and spoke with Mr. Toni Riverra of Boulevard Car Wash and requested to submit USTs closure and removal report. AD

09/07/2010: Called and spoke with Mr. Riverra of Boulevard Car Wash regarding the reports submission. He told me that another Phase I investigation was performed by Hydroteck in 2005. requested to submit Phase I report from 2005 and UST closure report from 2001 till November 7, 2010. AD

12/2010: Did not receive any response from Mr. Riverra. Called and left a message. AD

05/2011: Called and left a message to Mr. Riverra of Boulevard Car Wash. AD

01/04/2012: Issued and sent a Notice of Violation Letter addressed to Mr. Lage of 315 R.E. Corp. by certified mail (#7006 0100 0006 2620 3467). Response is due February 4, 2012. AD

02/07/2012: Did not receive any response. To send Final Notice Letter. AD

02/21/2012: Issued and sent Final Notice letter to Mr. Lage by certified letter (# 7006 0100 0006 2620 3405). Response is due March 6, 2012. DL the letter to eDocs. AD

02/23/2012: Received a phone call from Mr. Riverra. he said that he will submit Phase I report from 2005 next week, and that he will try to locate UST closure report from 2001 done by Papitto Construction Co., Inc. AD

02/24/2012: Received Phase 1 Report on a CD from Mr. Riverra. DL all submitted documents to eDocs. UST closure report submission is due. AD

01/2013: called and left a message to Mr. Rivera. AD

03/2014: called and left a message for Mr. Rivera. AD

02/10/2017: called and left a message for Mr. Rivera with the secretary. AD

09/2018: called and left a message to Mr. Rivera. AD



NO ACTIVE HAZARDOUS SPILLS – MISC. SPILL CAUSES – EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, VANDALISM AND STORMS – IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.
All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

THE FOLLOWING ACTIVE SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE SEARCH RADIUS FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, VANDALISM, OR STORMS. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
1706148	IN THE BASEMENT	558 MORRIS AVE	BRONX
9706926	MOTT HAVEN RAILYARD	156 ST & PARK AV	BRONX
1909846	VACANT	276 GRAND CONCOURSE	BRONX



CLOSED STATUS TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

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

Map Identification Number 47



HOSTOS COMMUNITY COLLEGE

WALTON AVE EAST 144TH ST.

BRONX, NY

Spill Number: 0409591

Close Date: 03/14/2006

TT-Id: 520A-0012-085

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1376 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: WALTON AVE / E 144TH ST

Revised zip code: 10451

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Responsible Party

Caller Name: CRAIG PUERTA

DEC Investigator: TLGIBBON

Spiller: HOSTOS COMMUNITY COLLEGE

Notifier Name: HOSTOS COMMUNITY COLLEGE

Caller Agency: LANGAN ENGINEERS

Contact for more spill info: CRAIG PUERTA

Spiller Phone:

Notifier Phone: (917) 295-5291

Caller Phone: (212) 479-5400

Contact Person Phone: (212) 479-5400

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/27/2004		TANK FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

while drilling test holes at the site they found an abandoned tank with soil contamination around the tank.

DEC Investigator Remarks:

1/27/05 TJD Tarek Khouri contacted Demeo on 1/24/05 to obtain status of report review for this site. Report is dated 1/13/05. Although a complete review of the submission had not been completed, a quick phone conference regarding this site took place.

Contamination above TAGM has been identified through sampling. Langan proposes to close the tanks in place with no remedial action other than the removal of contaminated soils excavated by hand during the tank closure activities. This approach is proposed due to access constraints at this site. Demeo told Mr. Khouri that a new remedial plan would need to be developed to address the contaminated soil exceeding TAGM. An effort would need to be made to remediate impacted soils in situ prior to considering this site for closure. Mr. Khouri has stated he will discuss this with his client and resubmit a work plan to NYSDEC.

6/8/05 – Project transfered to TLGibbons in Central Office, Albany

9/14/05 – Spoke with Craig Puerta, Langan Engineering (212-479-5400), contractor to Hostos Comm. College. Said site is a former gas station with two 2,000 gal diesel fuel USTs located on campus, surrounded by four trailers which makes access very difficult. They are looking for funding from DASNY before work begins. Preliminary data shows soils surrounding tank impacted above TAGM. Closing in place not an option so remedial work will require significant work to be done by hand to to limited access. Spoke with Art Fasilino, CUNY, 212-541-0440, who said that funding has been secured from DASNY (Samir Rimawi, 917-295-5291) and they are waiting on funding from CUNY. He indicated that this project was a low priority.

1/3/06 – Received call from Tarek Khouri, Langan (212-479-5450). Remediation work had begun with tanks being uncovered today. Tanks both filled with water/fuel mixture which was pumped out. Removed concrete above tanks, cut open and cleaned tanks. Cut through bottom of tanks which are resting on concrete. Bore through tank bottom and concrete and encountered bedrock. Bedrock @ 7' bgs. Tanks solid (not leaking) but piping to tanks leaking with stained soil and petroleum odor. Asked Tarek to send pictures of excavation. Pictures showed minor soil impacts, but very little soil on bedrock. Asked Langan to clean up contamination above bedrock and collect end point samples.

2/7/06 – Spoke with Mr. Khouri. Five endpoint samples, and one runoff water sample, were collected.

3/14/06 – Received closure report on 3/13/06. Only one sample showed elevated levels of VOCs, HT03A, primarily 1,2,4 and 1,3,5 trimethylbenzene. Total VOCs from this sample were 54,348 ug/kg. This sample was collected from the minor soil remaining on top of competent, crystalline bedrock. The tanks were completely removed, all contaminated media was disposed at a permitted facility, and the excavation was backfilled with clean soil. Close spill.

Map Identification Number 48
 **225 EAST 149TH ST/BX**
225 EAST 149TH STREET

Spill Number: 9011867
NEW YORK CITY, NY

Close Date: 05/25/1995
TT-Id: 520A-0008-023

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1525 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: JIM CARY
DEC Investigator: WILSON

Spiller:
Notifier Name:
Caller Agency: CASTLE OIL
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 823-8800
Contact Person Phone:

Category:	Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.						
Class:	Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency						
Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
02/12/1991	05/25/1995	TANK FAILURE	UNKNOWN		NO		
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected	
#2 FUEL OIL	PETROLEUM	40.00	GALLONS	0.00	GALLONS	SOIL	
Caller Remarks: MANHOLE COVER GASKET BROKE ON TANK,OIL COMING OUT OF TANK TOP(2K TANK)IN TANK ROOM,A L EASTMOND TO DO CLEAN UP.							
DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.							

Map Identification Number 49	EXCAVATION	Spill Number: 0505007	Close Date: 10/11/2006
	675 MORRIS AVE	BRONX, NY	TT-Id: 520A-0007-815
MAP LOCATION INFORMATION Site location mapped by: PARCEL MAPPING (1) Approximate distance from property: 1745 feet to the E		ADDRESS CHANGE INFORMATION Revised street: NO CHANGE Revised zip code: NO CHANGE	
Source of Spill:	NON-MAJOR FACILITY (>1100 GAL)	Spiller:	DOUG HARM – EXCAVATION
Notifier Type:	Other	Notifier Name:	DOUG HARM
Caller Name:	DOUG HARM	Caller Agency:	BRINKERHOFF ENVIR.
DEC Investigator:	SFRAHMAN	Contact for more spill info:	DOUG HARM
Spiller Phone: (732) 223-2225 Notifier Phone: (732) 223-2225 Caller Phone: (732) 223-2225 Contact Person Phone: (732) 223-2225			

Category:	Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.						
Class:	Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency						
Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
07/22/2005		TANK FAILURE	NO		NO		
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected	
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER	

Caller Remarks:LEAK FROM UNDERGROUND STORAGE TANK:

DEC Investigator Remarks:

7/26/05 – Sangesland spoke to Doug Harm of Brinkerhoff Envir. He said they are developing a vacant site and they found a buried 550 gal UST. Tank was pulled and approx. 300 cubic yards of contaminated soil was stockpiled waiting for disposal. They will take end point samples and compare them to TAGM limits and send it in.

Consultant knew what to do – No Contaminated Soil Letter was sent

10/26/05 – Austin – Project reassigned from Krimgold to Rahman – end 02/27/06 Sharif Rahman– I spoke with Doug Harm,(732)223–2225 and he would send DEC the final closure report in 5/6 weeks. 05/08/06 Sharif Rahman– I spoke with Doug again, he would send me the summary of investigation for review first, then the final report. 10/04/06 Rahman– Nine UST were discovered ranging from 275 gallons to 2,000 gallons in size. Tanks showed evidence of discharge. Brinkerhoff excavated and properly disposed approx. 465 tons of petroleum–impacted soil. Analyticals results showed elevated levels of PAH compounds that had historically been over the NYS DEC TAGM's soil clean up objectives as a result of historic fill material. Five end point samples were collected. VOCs were non detectable in all samples. Several SVOC PAHs were reported over DEC SCO, but these PAHs are the same PAHs that were identified in the historic fill found throughout the site. Placement of a impermeable cap comprised of concrete is projected to be completed in October 2006.

Map Identification Number 50
 **101–125 WEST 147TH ST.**
101–125 WEST 147TH ST.

MANHATTAN, NY

Spill Number: 9308461**Close Date: 05/16/1994**
TT-Id: 520A–0098–517

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2380 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 10039

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: VON STEWART
DEC Investigator: O'DOWD

Spiller:
Notifier Name:
Caller Agency: ESPLANADE GARDEN INC.
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 368–7700
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/13/1993	05/16/1994	TANK FAILURE	UNKNOWN		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SURFACE WATER

Caller Remarks:

CRACK IN UNDERGR. TANK LEAKING UNDERGROUND INTO RIVER. ALSO CALLED EPA – UST 3 TANKS ON SITE TRATING 2 BUILDING.

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

Map Identification Number 51
 **101-165 W 146TH ST/BX**
 1010165 WEST 146TH STREET

NEW YORK CITY, NY

Spill Number: 8902952

Close Date: 12/27/2000
 TT-Id: 520A-0100-751

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: 133 W 146TH ST
 Revised zip code: 10039

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Tank Tester
 Caller Name: SEBASTIAN LOREFICE
 DEC Investigator: MCTIBBE

Spiller: NYC TRANSIT AUTHORITY
 Notifier Name:
 Caller Agency: TANK TESTING
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (718) 789-3770
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
06/19/1989		TANK FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

Caller Remarks:

(2) 5K TANKS IN SYSTEM, TRIED HORNER EZY CHECK BUT STOPPED TEST WHEN VISIBLE LEAK WAS NOTICED ON TANK TOP OF ONE TANK.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE 11/15/94: REASSIGNED FROM SIGONA TO ZHITOMIRSKY ON 11/15/94. transfered from Hale to Tibbe on 12/27/00. refer to 89-02374. remediation ongoing.

Map Identification Number 52 **775 CONCORSE VILLAGE EAST**
 775 CONCORSE VILLAGE EAST

BRONX, NY

Spill Number: 9709702

Close Date: 07/13/1998
 TT-Id: 520A-0013-553

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2509 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 775 E CONCOURSE VILLAGE

Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name: JERRY WILLIAMS

DEC Investigator: MCTIBBE

Spiller: JENNIFER JONES

Notifier Name: JOE OSTAYSKI

Caller Agency: CONTROLLED COMBUSTION

Contact for more spill info: JENNIFER JONES

Spiller Phone: (718) 588-2603

Notifier Phone: (718) 378-3000

Caller Phone: (718) 367-9800

Contact Person Phone: (718) 588-2603

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/20/1997		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

4 tanks were tested #2 #3 were leaking they have been shut down and pumped out – spill contained a cement vault

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE SEE FILE. SEE ALSO 97-14390.

Map Identification Number 53**PATTERSON HOUSES**

301 EAST 143RD STREET

BRONX, NY

Spill Number: 9414368**Close Date: 03/31/1995**

TT-Id: 520A-0012-082

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2594 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10451

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: DEC

Caller Name: JANE HEALY

DEC Investigator: HEALY

Spiller: NYC HOUSING AUTHORITY

Notifier Name:

Caller Agency: NYSDEC

Contact for more spill info:

Spiller Phone: (212) 306-3142

Notifier Phone:

Caller Phone: (718) 482-4933

Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/19/1995	03/31/1995	TANK FAILURE	UNKNOWN		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	GROUNDWATER

Caller Remarks:

BROKEN FUEL LINES. SEEPAGE BEGAN IN NOVEMBER, HAS CONTINUED UNABATED. NYCHA TO REPLACE FUEL LINES.

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



CLOSED STATUS TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

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

Map Identification Number 54



USPS VEHICLE MAINT. FAC.

580 GERARD AVENUE

NEW YORK CITY, NY

Spill Number: 9007668

Close Date: 05/11/2001

TT-Id: 520A-0010-605

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Tank Tester

Caller Name: LLOYD PETERSON

DEC Investigator: SJMILLER

Spiller: GERARD AVE VMF

Notifier Name:

Caller Agency: TANKNOLOGY

Contact for more spill info:

Spiller Phone: (212) 960-5037

Notifier Phone:

Caller Phone: (609) 753-9111

Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/13/1990		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

3K TANK FAILED VACUTEST WITH A GROSS LEAK, POSSIBLE VENT LINE, WILL NOTIFY VMF.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was MILLER 5/15/01: OFF HOUR SPILL REPORT OF TANK TEST FAILURE ASSIGNED TO BATTISTA FILE. REASSIGNED TO RESPONDER MILLER. CROSS-REFERENCE TO SPILL REPORT NO. 9213223: SAME FACILITY. ACCORDING TO SUBMITTED ATC REPORTS: 5,000-GAL. FO UST WAS REMOVED AND REPLACED (W/2,500-GAL UST) IN 1993; 2000 SUBSURFACE INVESTIGATION SHOWED NO VISUAL, OLFACTORY, OR PID EVIDENCE OF CONTAMINATION/RELEASE. SOIL ANALYSIS WERE NON-DETECT FOR VOCs, AND PAH LEVELS ARE CONSISTENT WITH OBVIOUS FILL MATERIAL (i.e., COAL/ASPHALT); GROUND WATER WAS NOT ENCOUNTERED BEFORE BEDROCK REFUSAL AT 12 FT DEPTH.

Map Identification Number 55



NYCDOS TANK TEST FAILURE

545 GERARD AVE / 125 EAST 149TH STREET

BRONX, NY

Spill Number: 1204620

Close Date: 09/18/2012

TT-Id: 520A-0275-603

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 367 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 125 EAST 149 STREET

Revised zip code: 10451

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Other

Caller Name:

DEC Investigator: TJDEMEO

Spiller: TJ OCONNOR - NYC SANITATION

Notifier Name:

Caller Agency:

Contact for more spill info: AL MIGNONE

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (646) 235-3183

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
08/08/2012		TANK TEST FAILURE	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL		PETROLEUM	0	GALLONS	0	GALLONS	

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

DEMEO needs to send a TTF letter to Sanitation)

8/9/12-Vought-Notes above by DEC Sangesland. Vought primary off-hours responder. Vought noted PBS #2-455660 for site also listed as 125 East 149th Street. As primary off-hours responder, Vought called TJ O'Connor (Dry As A Bone Ph:516-678-5115) to see if failure was wet or dry leak and left message on voicemail to return call as soon as possible. Vought called Al Mignone

(Ph:646-235-3183) for more information and left message to return call. Vought called PBS contact:

NYC Dept. of Sanitation 125 Worth Street Room 823B New York, NY 10013 Attn: M. Bonacorsa Ph:(646)885-4874 Fax:(212)442-8624 or (212)442-8625

Bonacorsa retired from NYCDOS as per receptionist and letter should be sent to Mr. Chingas. Vought sent out TTF letter to above address and faxed letter as well. Vought sent out letter to NYCDOS Chingas and added copy to e-docs and left Demeo copy as well.

9/18/12 TJD File review. NYSDOS (Al Mignone) has provided copies of initial failing tank test report performed on 8/8/12 (Dry as a Bone) and a subsequent passing tank test report performed on 8/13/12 (AARCO). Initial failed test was reported as a dry leak. NYCDOS reports no repairs were made to system and was retested by another contractor and passed. Testing reports and e-mail correspondence have been uploaded to E-DOCS. No further action is required.

Map Identification Number 56 **NYC DEPT OF SANITATION TTF** **Spill Number: 1203859** **Close Date: 09/26/2012**
 545 GERARD AVE BRONX, NY TT-Id: 520A-0275-578

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 367 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: 10451

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

Spiller: PJ OCONNOR - NYC DEPT OF SANITATION
 Notifier Name:
 Caller Agency:
 Contact for more spill info: WINDMILL - ASK FOR JIM OR LEE

Spiller Phone:
 Notifier Phone:
 Caller Phone:
 Contact Person Phone: 6313601664

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/19/2012		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	

Caller Remarks:

TTF 0 spilled

DEC Investigator Remarks:

9/26/12 TJD File review. NYCDOS (Al Mignone) has provided required documentation in support of spill closure relating to

reported tank test failure. System failed initial system test (Dry as a Bone) on 7/17/12 – reported as a dry leak. Tank alone was retested on 7/23/12 and passed. Failure determined to be associated with a failed vent pipe which was replaced 9/11/12 by Windmill Tank Service. Additionally threads on interstitial space access bung on tank top were also determined to be contributing to an air leak and were repaired by manufacturer (Highland Tank) on 9/11/12. Following repairs entire tank system was retested by AARCO on 9/13/12 and passed. No further action is required. Spill closed.

Map Identification Number 57
 **SPARTAN PETROLEUM/ MOBIL STATION**
 99 EAST 149TH ST

BRONX, NY

Spill Number: 9909670**Close Date: 11/13/2008**

TT-Id: 520A-0008-938

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 475 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Tank Tester

Caller Name: MATTHEW MATCHETTE

DEC Investigator: jamaison

Spiller: HANK ALPERT – SPARTAN PETROLEUM

Notifier Name: MATTHEW MATCHETTE

Caller Agency: CROMPCO CORPORATION

Contact for more spill info: JAY SEMMELMACHER

Spiller Phone: (516) 365-8700

Notifier Phone: (610) 278-7203

Caller Phone: (610) 278-7203

Contact Person Phone: (516) 295-3400

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),
 contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/09/1999	02/11/2004	TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
MTBE (METHYL-TERT-BUTYL ETHER)	HAZARDOUS MATERIAL	0	UNKNOWN	0	UNKNOWN	

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
	4000	USTest 2000/P/LL plus USTest 2000/U	0.00	UNKNOWN

Caller Remarks:

WILL REPAIR AND RE-TEST AS OF TOMMOROW'S DATE 11-10-99

DEC Investigator Remarks:

PBS 2-156590 1/20/04 File review (Foley): Prior to divesting this site in March 1990, a site assessment was performed by Roux (hired by Mobil) which indicated elevated BTEX existed in both groundwater and soil, but no free product was found. Upon transfer of property(8/90), the new owner began to install new USTs. During tank replacement, 875 tons of contaminated soil was removed and disposed of. During construction, two upgradient wells were destroyed. Three downgradient wells remained intact. The two wells which were destroyed showed ND for BTEX during sampling.

In May 1991, there was an apparent vapor problem in the kiosk at the now active Amoco station. Amoco installed a venting system to alleviate the problem. Based on this, Mobil installed two borings and one well in the vicinity of the kiosk. The report indicated that the soils surrounding the kiosk did not contain very high levels of BTEX in soil. The monitoring well installed contained 0.01' of product. This well is upgradient of all former Mobil tank areas. Additional construction at the site for a car wash has destroyed three downgradient wells. Thus, only one well remains on the property. However, upon completion of the construction, up to ten additional wells shall be installed at the site. Wells will be installed after construction is completed.

11/91 Eleven monitoring wells and a sparge point were installed. 12/9/91 MW-11 had 0.84' of product. 1/22/92 MW-11 had 0.21' of product.

2/20/92 MW-11 had 7.16' of product. A vac truck has been scheduled on a biweekly basis to extract LNAPL from MW-11.

3/92 LNAPL was detected in MW-11 (0.07-3.02'). Approx 70gal was extracted from MW-11 on 3/4, 3/13, 3/16 using vac truck. Trace amounts of LNAPL were hand-bailed from MW-11 on 3/18 & 3/27. Water sample from car wash well was collected by Tyree, analyzed by Method 602, and returned ND.

4/92 MW-11 had 0.08-0.18' of LNAPL and approx 2.5gal LNAPL bailed.

6/8/92 An EZY Skimmer was installed in MW-11.

7/92-6/93 No LNAPL was detected in any wells.

1/94-3/94 MW-10 had 0.28' product. MW-11 had 0.01' product.

5/94 MW-11 had trace amount of product.

7/11/94 SVE started. DTW 16' bgs. 6 combination SVE/AS points. Will sample all MWs before sparge system started.

2/8/95 0.01' product in BD-1. BTEX from ND(MW-1) to 30,000ppb(MW-5).

10/27/99 Cross Deegan Realty notified by station operator of possible inventory loss. Alvin Petroleum exposed portions of system over next two weeks. No system leaks were detected.

11/9/99 Alvin Petro. requests a tightness test be performed. Crompco detected a leak in one of the four tanks and reported the failure.

11/10/99 Alvin Petro. exposed and removed remote fill box on the tank that failed test. A coupling that connects the piping to the overflow box was found cracked. The coupling was replaced and system retested tight.

11/16/99 Crompco retested system with FDNY and passed.

11/22/99 Impact Environmental performed a limited subsurface investigation of soil adjacent to coupling and concluded that gasoline had impacted soil/GW. Report states that current owner only intends on addressing contamination from 10/99 spill and not the 1992 spill.

10/31/00 Three wells sampled and gauged. SVE system removed from service. ORC socks in wells MW-1 and MW-5. BTEX from 15ppb(MW-12) to 868ppb(MW-1). MTBE from 31ppb(MW-11) to 49,000ppb(MW-1).

2/5/01 Seven wells sampled. BTEX from ND(MW-12) to 240ppb(MW-1). MTBE from <1ppb(MW-12) to 64,000ppb(MW-7).

4/26/01 Seven wells sampled. MTBE has increased in monitoring wells hydraulically downgradient from the current dispenser island and USTs. MTBE ranged from 14ppb(MW-11) to 920,000ppb(MW-10). BTEX ranged from 12.8ppb(MW-11) to 6,080ppb(MW-10).

10/23/01 Eight wells sampled. BTEX from 14ppb(MW-6) to 4,750ppb(MW-10). MTBE from 18ppb(MW-11) to 270,000ppb(MW-10).

1/17/02 Eight wells sampled. BTEX from ND(MW-5) to 1,794ppb(MW-10). MTBE from 29(MW-5) to 65,000ppb(MW-7).

4/30/02 Six wells sampled. BTEX from ND(MW-5 & MW-6) to 1173ppb (MW-10). MTBE from 7.6ppb(MW-1) to 24,000ppb(MW-5).

5/15/02 Sensitive Receptor survey identified PS 31 approx 850' to the southeast. There are residential and commercial buildings with basements immediately adjacent to the site to the north. A subway tunnel is located beneath E 149th St.

----- 03/17/03 REASSIGNED FROM ROMMEL TO VOUGHT.

11/18/03 Received CAP/Remediation Plan, 3rd Quarter 2003 monitoring report, and tank test results(pass).

12/10/03 Reassigned from Vought to Foley. See closed spills #0307681, 9208906.

Review of Remediation Plan:

A SVE/AS system was installed by Handex and operated on the property to address spill #9208906. The system is comprised of four soil vapor extraction wells and six air sparge points. At this time, the system is not operational. A monitoring program is being performed.

11/9/99 Tank system tightness test performed by Crompco indicated a leak near the remote fill box. The leak was repaired. Soil staining and petroleum odor was noted below the fill box. Spill 9909670 was reported.

11/22/99 Impact Environmental started subsurface investigation. Groundwater results exceeded standards.

7/7, 7/25, 10/23/00 Enhanced fluid recovery performed on MW-2 as an IRM.

Impact Environmental proposes 1) monthly EFR on hottest wells for 6 months, 2) replacement/upgrade of air sparge equipment installed to address #9208906, 3) SVES to be modified to include MW-2.

9/3/03 Impact Environmental sampling data (for Amoco): BTEX levels range from ND(MW-5, 11, 12) to 1606ppb(MW-6). MTBE ranges from ND(MW-12) to 650,070ppb(MW-6).

10/6/03 GSC sampling data (for Mobil): BTEX ranged from ND(MW-2) to 3800ppb(MW-6). MTBE ranges from 9.8ppb(MW-11) to 1,240,000ppb(MW-6).

11/26/03 Impact Environmental data from 4Q2003 report shows MW-6 and MW-2 to be hot spots. BTEX ranges from ND(MW-12) to 6923ppb(MW-6). MTBE ranges from ND(MW-12) to 869,600ppb(MW-6).

2/2/04 Faxed stip to Mr. Hank Alpert, Cross Deegan Realty. Due back 2/23/04. (FAX 516-365-1606)

2/11/04 STIP returned. Cover letter states that a previous CAP for spill #9909670 was already approved by DEC and was authorized to develop CAP for spill #0307681 (dated 11/13/03).

2/13/04 STIP fully executed.

3/4/04 Letter received from DDC(Bruce Rottner) to J. Semelmacher. Requests Amoco's participation in DOT reconstruction project instead of reimbursement of cleanup costs.

3/15/04 Called B. Rottner. He explained that he recieved a phonecall from the owners attorney who stated that contamination was from a Dept of Sanitation garage. However, monitoring well on that property was installed and was clean. Spartan will be sending another letter to DDC at which time B. Rottner will forward a copy to me.

3/10/04 Received 1Q04 monitoring report. Need to delineate around MW-6 and MW-2. 6/18/04 Received 2Q2004 monitoring report. 6/30/04 Met with Spartan Petroleum (H. Alpert) and Impact Env. Received hand-delivered letter dated 6/28/04. Site is located on 149th St between Gerard and River Avenues. The site was impacted by a release detected in 1992 while under lease to Mobil Oil. Mobil installed an SVE/AS system. A new release was confirmed and Spartan released Mobil from contractual obligations. As an IRM, EFR was performed on MW-2. Approx 1075gal GW was extracted. An enhanced SVE/AS was run from July 12, 2001 to the present. During the period from 11/9/99 to 3/3/03, there was a steady decline in contaminant concentrations. In May 2003, BTEX concentrations began to increase unexpectedly. A system test was performed and all lines and tanks tested tight. An off-site source was suspected. Identified a NYCDOS truck terminal upgradient. Also found many monitoring wells on the NYSDOS site. Thru a FOIL request, review of the NYSDEC files incidate that the NYCDOS site is impacting 99 E 149th St. Request closure.

10/4/04 Received 3Q04 monitoring report.

11/19/04 Met with K. Kleaka and K. Scroope, Impact Env. NYCDOS property on eastside of Gerard Avenue (DOS Manhattan West 9). See spill #s 9513870, 9910856.

11/23/04 Email from J. Kolleeny- City's consultant, LiRo, had been performing EFR on wells with free product for several years until last year when a multi-phase extraction system went on line. A MW along E 149th St has had product in it which LiRo identified as weathered #2FO. Although they have been willing to vac out this well, and the remedial system now has extraction

wells near it, LiRo has argued that the product in the well was likely coming from off-site because they claimed there was no DOS tanks at that end of their site. However, the PBS list an old 2000gal heating oil tank and a new (4/03) tank at the site. Asked LiRo to locate these tanks. Will keep me updated.

4/13/05 Spoke to K. Kleaka, Impact Env. Will be proposing to shutdown system soon as recovery is decreasing. Still concerned about DOS site having impacts on property. Proposal will include confirmatory soil sampling.

5/6/05 1Q05- GW sample collected on 3/14/05 from MW-8 did not detect any VOCs. Samples from MW-1 and MW-5 detected concentrations of VOCs but not above GWQS. MW-12 was paved over. Several detected concentrations from MW-2,6,7,9,10 & 11 exceeded GWQS. These concentrations are within ROI of system. Told H. Benjamin that it was not necessary to reinstall MW-12.

5/23/05 Sent email to K. Kleaka, Impact Env. After reviewing the July 2004-Sept 2004 and Jan 2005-March 2005 quarterly reports for Manhattan West 9 (operated by NYCDOS at 125 East 149th St, Bronx), it is not clear that the contamination detected at MW-2 is due to impacts from the NYCDOS facility. Historical data for 99 E 149th St shows a significant spike of MTBE at MW-6(869.6ppm) and at MW-2(191.2ppm). The historical data for the NYCDOS facility, dating back to 2000(with some data gaps), does not indicate that the facility is acting as a source of off-site contamination. The only MTBE detection in the NYCDOS wells was in the NW corner of the property(170ppb in 1/00). NYSDOS has been operating a MPE system since 11/12/03.

11/8/05 3Q05 report - Total of 537.84lbs of hydrocarbons removed. Approx 9lbs recovered in last 22 day period. Groundwater concentrations highest in MW-2 at 1420ppb total BTEX and 1500ppb MTBE. MW-6 at 100ppb BTEX and 53ppb MTBE. MW-7 at 10ppb BTEX and 56ppb MTBE.

1/11/06 Met with K. Kleaka and H. Benjamin, Impact. To submit 4Q05 report. Redeveloped sparge points to try and increase efficiency of system which continues to operate.

2/17/06 4Q05 report submitted. SVE continues to operate. Lab analysis from 11/28/05 did not detect VOCs in MW-8. Wells MW-5 and MW-11 had concentrations which did not exceed GWQS. Samples from MW-1,2,6,9, and 10 did exceed GWQS.

3/30/06 1Q06 report submitted. BTEX from ND(MW-1,5,6,8,9,11) to 970ppb(MW-2). MTBE from ND(MW-5,6,8) to 980ppb(MW-2). SVE continues to operate. Total estimated hydrocarbons recovered is 538lbs.

6/30/06 DEC lead transferred from K. Foley to J.A. Maisonave. - JAM

11/27/06 Reviewed 2nd and 3rd Qtr 2006 Monitoring Reports. Groundwater contamination persists in the area of monitoring well MW-2 (~4000ppb). H. Benjamin of Impact Env. proposed performing a pulse test on the system to see if rebound will occur since the system appears to have reached asymptotic conditions. I sent an email to Mr. Benjamin requesting a map showing the radius of influence for each air sparge and SVE point and that GW contamination at MW-2 must be addressed. I also asked if there was soil contamination at the site. If so, has the SVE system effectively treated it? Must prove by confirmatory soil sampling. Email is in the file. - JAM

02/13/07 Reviewed a letter submitted by Impact Env. and dated January 17, 2007. The letter proposes:

1. All monitoring wells will be redeveloped utilizing a surge block and vacuum truck.
2. Monthly Enhanced Fluid Recovery (EFR) events will be performed on MW-2 to reduce the contaminant concentrations in the surrounding area. Said events will be performed

utilizing a 2X4 inch diameter K-Packer on a 2-inch diameter drop pipe to maximize liquid and vapor capture. 3. Groundwater sampling will continue on a quarterly schedule. 4. SVE & Sparge operations will continue with the existing system.

I sent an email approving these proposals. Groundwater sampling data and recommendations will be submitted in the next quarterly report. A hard copy of the email will be in the file. – JAM

3/29/07 Reviewed 4th Qtr 2006 Monitoring Report submitted by Impact Env. and dated March 6, 2007. All wells were sampled on November 29, 2006. Results were non-detect for total VOCs except for MW-2, which shows persistent levels of VOCs (2,675ppb Total VOCs). The SVE/AS system continues to operate at the site. According to the report, monthly EFR events on MW-2 should have begun in February 2007 and results will be included in the next Monitoring Report. – JAM

6/21/07 Reviewed 1st Qtr 2007 Monitoring Report submitted by Impact Env and dated May 30, 2007. On February 28, 2007, all wells were redeveloped and EFR events commenced on MW-2. All wells were then sampled on March 1, 2007. Wells MW-1, MW-6, and MW-9 showed non-detect results for total VOCs. Wells MW-5, MW-7, MW-8, MW-10 and MW-11 had slight exceedences for Napthalene (ranging from 68ppb to 100ppb). MW-2 showed a decrease of total VOCs from last monitoring round to 1,936ppb. The SVE/AS system continues to operate. – JAM

12/04/07 Reviewed 2nd Qtr 2007 Monitoring Report submitted by Impact Env and dated Sept 18, 2007. All wells were sampled on June 14, 2007 and monthly EFR events continue on MW-2. Wells MW-1, MW-2, MW-9, MW-10 and MW-11 showed exceedences for total VOCs. Wells MW-5, MW-6 were not sampled because they were dry. MW-2 still has the highest level of VOCs, however, it showed a decrease from the last monitoring round to 857ppb from 1,936ppb. The SVE/AS system continues to operate. – JAM

Reviewed 3rd Qtr 2007 Monitoring Report submitted by Impact Env and dated Oct 30, 2007. All wells were sampled on Sept 6, 2007 and monthly EFR events continue on MW-2. Results from wells MW-1, MW-2, MW-5, MW-6, MW-7, MW-8 and MW-9 showed non-detect levels for total VOCs. Wells MW-10, MW-11 showed minor exceedences for MTBE (44ppb and 50ppb respectively). Based on the latest result, monthly EFR events appear to have effectively reduced contaminants in MW-2. The SVE/AS system continues to operate. – JAM

4/14/08 Received a call from Hal Benjamin about the Exposure Assessment submitted in March 2008 by Impact Env. They are requesting spill closure and I will get back to him after I review the report. – JAM

5/1/08 Reviewed Exposure Assessment Report. Based on the Exposure Assessment, Impact Env. concludes that the source of contamination has been effectively mitigated and small levels of residual groundwater contamination pose no threat to human health. Impact requests spill closure. I requested a summary of historic soil data associated with this spill. –JAM

6/11/08 Spoke to Hal Benjamin, Impact. An on-site well provides the operating car wash with water. I requested that this well be sampled and results reported in a letter. Spill closure will be reevaluated when results are available. – JAM

8/8/08 Reviewed letter from Spartan dated July 16, 2008. The on-site well that services the carwash was sampled and all analytes were found non-detect. I called Hal and asked the depth at which the car wash well pulls water from and if there are any sampling requirements for that well. He will get back to me. – JAM

11/13/08 Since the on-site car wash supply well did not detect and VOCs and only minor levels of MTBE were detected in two on-site wells, this site poses no threat to human health or the environment. This spill case was closed and an NFA letter was issued to:

Henry Alpert Cross Deegan Realty, Corp. 3333 New Hyde Park Rd, Suite 201 New Hyde Park, NY 11042

NFA letter uploaded to eDocs. – JAM

Map Identification Number 58**MOBIL**

99 EAST 149TH ST

BRONX, NY

Spill Number: 8905353**Close Date: 03/04/2003**

TT-Id: 520A-0007-949

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 475 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester

Caller Name: ROBERT

DEC Investigator: KMFOLEY

Spiller: EXXON MOBIL

Notifier Name:

Caller Agency: GASOLINE SERVICE MAINT

Contact for more spill info:

Spiller Phone:

Notifier Phone:

Caller Phone: (212) 792-4300

Contact Person Phone:

Category: Known release which created a fire/explosion hazards (inside or outdoors), drinking water supply contamination, or significant releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
08/30/1989		TANK TEST FAILURE	NO		NO		
Material Spilled	Material Class		Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM		-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

4K TANK FAILED PETRO-TITE. L R = 1 GAL / 30 MIN.

CLOSED DUE TO LACK OF ANY RECENT INFO – DOES NOT MEET ANY CLEANUP REQUIREMENTS.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was K FOLEY 3/04/2003 – Closed Due To The Nature / Extent Of The Spill Report 1/2/03 Reassigned From Sigona To Foley. Investigation Being Performed By Spartan Amoco Under Spill #9909670. Open Mobil #9208906. 3/3/04 As Per The Closure Request Report Submitted For Mobil By Gsc, Spill #8905353 Initiated A Subsurface Investigation Conducted From 12/11/89–1/10/90 Which Included Installation Of 5 Mws (Mw–1A Thru Mw–5A). Vocs Were Above Groundwater Standards. This Was Summarized In The February 1990 Roux Subsurface Evaluation Report. Mw–1A Through Mw–5A Were Destroyed (4/90–11/91) Due To Construction Activities Conducted By Amoco. Five 4000Gal Gas Usts, One 550Gal Waste Oil Ust, And One 550Gal Fuel Oil Ust And Piping Were Removed From Site. A Subsurface Investigation Conducted In April 1991 Included Installation Of Two Soil Borings And One Monitoring Well (Mw–6). Results Were Summarized In 6/91 Roux Supplemental Subsurface Investigation Report. A Subsurface Investigation Conducted In November 1991 Included Installation Of 11 Monitoring Wells (Mw–1 Through Mw–5 And Mw–7 Through Mw–12) And One Air Sparge Well (Sp–1). Results Were Summarized In A Gti Report. Spill #9208906 Was Issued To The Site On 11/2/92 As A Result Of Contaminated Soil Observed During Amoco Site Construction Activities.

Map Identification Number 59



CLOSED–LACKOF RECENT INFO

471 WALTON AVE

NEW YORK CITY, NY

Spill Number: 8800476

Close Date: 03/04/2003

TT-Id: 520A-0010-616

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1001 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester

Caller Name: WAYNE BARON

DEC Investigator: ADMIN. CLOSED

Spiller: WIRELESS CABLE NY

Notifier Name:

Caller Agency: GASOLINE INSTALLATIONS

Contact for more spill info:

Spiller Phone: (212) 665-0426

Notifier Phone:

Caller Phone: (516) 371-2070

Contact Person Phone:

Category: Known release which created a fire/explosion hazards (inside or outdoors), drinking water supply contamination, or significant releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/31/1988		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	–1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

3K TANK (OR POSSIBLY 1K TANK) FAILED WITH A LEAK RATE OF -0.5GPH, WILLPUMP OUT TANK, FURTHER ACTION UNKNOWN. CONTACT: CHARLES RAY
(212)-665-0426.

CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

04/14/88: 1K TANK PASSED TEST WITH A LEAK RATE OF +.0210GPH, MEASURED MATERIALIN TANK WHEN PUMPED OUT TO DETERMINE SIZE OF TANK.

Map Identification Number 60
 **500 GRAND CONCOURSE**
500 GRAND CONCOURSE

NEW YORK CITY, NY

Spill Number: 9002366

Close Date: 09/30/1992
TT-Id: 520A-0007-980

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1021 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: SEBASTIAN LOREFICE
DEC Investigator: BATTISTA

Spiller:
Notifier Name:
Caller Agency: TANK TEST INC
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 789-3770
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
05/31/1990	09/30/1992	TANK TEST FAILURE	2-452319	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

10K TANK (SYSTEM) FAILED HORNER EZY CHECK, VISUAL GROSS LEAK, FUEL

LEAKING THROUGH CONCRETE BASEMENT WALL, TO PUMP TANK, WILL EXCAVATE, ISOLATE & RETEST.

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

Map Identification Number 61



GERARDO WOODWORKING

168 EAST 144TH STREET

BRONX, NY 10451

Spill Number: 1509044

Close Date: 09/01/2016

TT-Id: 520A-0313-107

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1578 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester

Caller Name:

DEC Investigator: SXMAHAT

Spiller: GERADO BOHORQUEZ - GERARDO WOODWORKING

Notifier Name:

Caller Agency:

Contact for more spill info: GERADO

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (718) 401-8584

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/04/2015		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

failed tank test

DEC Investigator Remarks:

12-4-15 – Obligado – DEsk Duty – Called TJ at Heinrech. Left a message to call back the DEC. 550 tank #2 fuel oil UST. Dry leak. The tank is about half full, 240 gallons. It is a simple system, with a remote fill, and a vent pipe. He was unable to determine the cause of the leak. Heinrech was hired by a potential buyer. TTF mail merge list updated. I called Mr. Gerardo Bohorquez. I left a message to call back the spills duty desk.

Spill assigned to Santosh Mahat.

1/14/16 – Austin – I received a call from Ed Townsend (845-249-0958), a consultant representing the owner of this tank. He indicated that this test was done by a prospective buyer of this property. Mr. Townsend wanted to know how to proceed in getting this matter resolved. He had already had a tank-only test done (passed, according to him) and found a problem with the fill line. However, he said that when the fill was dug out for replacement, no soil contamination was encountered. I asked about the tank-to-boiler line (above ground, no leaks) and the vent line (he indicated that that might have had a failure, as well, but it was replaced, too). I told him to write this all up, include any documentation and photos, and send it to DEC Mahat via e-mail. He indicated he would do so. – end

6/7/16: Mahat T/c : DEC Mahat contacted Ed and request him to send the closure report on the spill case.

8/11/16: Mahat t/c: DEC Mahat talked to Ed and he mentioned that the report will be sent to the Department as soon as he can.

9/1/16: Mahat Spill case is administratively closed based on the phone conversation RSE had with the contractor on 1/14/16. No paperwork has been submitted to the office as discussed over the phone. Spill case does not warrant any investigation/work on the case. Case closed.

12/20/2016: McPartland Received call to Duty Desk phone from Ed Townsend (845-249-0958). He explained the tank would be abandoned in place and asked if soil samples would need to be taken since it passed a tightness test. I consulted with DEC Piper and told Ed he would not need to take soil samples since the tank was unregulated and it passed a tightness test.

Map Identification Number 62**COMMERCAIL BUILD**
200 EAST 146TH STREET

BRONX, NY

Spill Number: 0801696**Close Date: 09/13/2010**
TT-Id: 520A-0214-655

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1586 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: ROSS SPOSATO – COMMERCAIL BUILD	Spiller Phone:
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name:	Caller Agency:	Caller Phone:
DEC Investigator: bkfalvey	Contact for more spill info: ROSS SPOSATO	Contact Person Phone: (718) 292-0600

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/09/2008		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
	6000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

PBS No: 2-085464 lines in the petromiter failed

DEC Investigator Remarks:

6/18/08 bf: Sent ttf letter to: Ross Sposato Chairmasters, Inc. 200 East 146th St. Bronx, NY 10451

6/30/08 Received letter from Ross Sposato of Chairmasters. Tank tested on 5/9/08 and failed. Tank was excavated and they are in the process of isolating lines. Also received message from him on 6/26/08 stating the same. (718)292-0600 x-205. bf

7/29/08 On 7/14/08, received letter from Ross Sposato of Chairmasters. Advanced Tank retested tank and tank passed. Piping will be replaced. After he receives test results, he will send test results and PBS Application. Called Ross S. (718)292-0600 x-205. Returning his call. Left message that there is no fee for tank test processing. Also, noted that a reply to my letter for tank test failure is required to be prepared by third party and needs to explain contamination and repairs made. bf

8/25/08 Received passing tank test report. on 7/31/08. Reviewed and found it not acceptable because technician did not sign the report. Sent tt return letter to Ross Sposato at address above and included request for tank test failure letter response. bf

9/5/08 Yesterday, received message from Ross of Chairmasters. Info was mailed yesterday. bf

9/13/10 Received call from Ross of Chairmasters. He wanted the status of his tightness test report. I told him I have not received the report nor did I receive a response to the ttf letter. He said that he will fax letter and report to me. bf

9/13/10 This afternoon received fax from ATS that the piping was replaced and there was no spill. Tank tightness test report is still needed to close this case. bf

9/13/10 later this afternoon, received passing tank test report by fax. NFA. bf

9/20/10 Received call from Ross Sposato requesting letter for closure. Faxed amnd mailed it to him. Fax:(718)292-0613. bf

Map Identification Number 63	APARTMENT		Spill Number: 0800658	Close Date: 06/12/2008
	635 MORRIS AVE	BRONX, NY		TT-Id: 520A-0214-639
MAP LOCATION INFORMATION		ADDRESS CHANGE INFORMATION		
Site location mapped by: PARCEL MAPPING (1)		Revised street: NO CHANGE		
Approximate distance from property: 1603 feet to the E		Revised zip code: NO CHANGE		
Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: JESSE CURLL – APARTMENT		Spiller Phone:	
Notifier Type: Tank Tester	Notifier Name:		Notifier Phone:	
Caller Name:	Caller Agency:		Caller Phone:	
DEC Investigator: bkfalvey	Contact for more spill info: JESSE CURLL		Contact Person Phone: (781) 849-1471 ext. 105	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/16/2008		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
	15000	Unknown	0.00	UNKNOWN
		Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

PBS No: 2-605314 UNCOVER REPAIR AND RETEST: AIR LEAK

DEC Investigator Remarks:

4/29/08 Received letter from Stuart Schwartz, of SNS Energy Distribution Corp., on 4/28/08. Tank was excavated and isolated and retested. Isolation revealed leak was at vent line. No contaminated soil associated with this spill. Tank retested on 4/25/08 and passed. They are waiting for authorization from owner to replace all piping and will retest. bf

5/1/08 bf: sent ttf letter to: Urbanization Maria Lopez Housing 580 White Plains Road, 6th Floor Tarrytown, NY 10591

Sent copy to: Stuart N. Schwartz, Chief Executive officer SNS Energy Corporation 221 Broadway, Suite 205 Amityville, NY 11701

6/4/08 On 6/3/08, received fax of letter dated 5/23/08 from Stuart Schwartz of SNS Energy. All oil distribution piping at the site was replaced even though only the vent line failed. Tightness test was done 5/22/08 and passed. I called Mr. Schwartz (631)691-1700 and left message with secretary to call me back. When he calls back I will request another letter regarding contamination, if any, and the tank test is deficient because of gw determination. bf

6/10/08 On 6/9/08, received revised tank test report. Report is satisfactory. Need letter regarding contamination. Called him at (631)926-2196 and left message requesting letter. bf

6/11/08 Yesterday, received fax from S. Schwartz stating no oil contamination found and piping was replaced due to its age. NFA. bf

Map Identification Number 64

LINCOLN HOSPITAL TTF
234 EAST 149TH STREET

BRONX, NY

Spill Number: 1206812**Close Date: 08/28/2015**

TT-Id: 520A-0277-924

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1701 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: 234 E 149TH ST
Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name:

DEC Investigator: HRPATEL

Spiller: LINCOLN HOSPITAL

Notifier Name:

Caller Agency:

Contact for more spill info: JOHN HEALEY

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (718) 579-5680

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/10/2012		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

Tank test fail

DEC Investigator Remarks:

Ricky told me that this is a 'Dry Leak', loose gasket.No oil spill observed. Next step:To call John to confirm gasket has been repaired and tank passed the test.(sr)

11/5/12 Passing and failing ttt reports for Tank 005 put in e-docs. Passing test was processed today. bf

08/28/15–Hiralkumar Patel. while reviewing spill/pbs database for the subject site as part of investigation under spill #: 0204573, found this open spill case.

the subject spill was reported on 10/10/12 as 10,000 gal diesel tank (tank #6) failed a tightness test. as per the caller, a dry leak was noted due to loose gasket and no spill was observed. found a passing test result for tank # 6 dated 11/30/2012 on PBS record.

based on record available on PBS file, case closed.

Map Identification Number 65 **LINCOLN MEDICAL CENTER**
 234 EAST 149TH ST

BRONX, NY

Spill Number: 0313236

Close Date: 01/06/2006
 TT-Id: 520A-0007-679

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 1701 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: 10451

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

Spiller: EDWARD ZAMNETT – LINCOLN MEDICAL CENTER
 Notifier Name: ROBERT BRAGG
 Caller Agency: TANKNOLOGY
 Contact for more spill info: EDWARD ZAMNETT

Spiller Phone: (718) 579-5683
 Notifier Phone: (800) 666-1215
 Caller Phone: (800) 666-1215
 Contact Person Phone: (718) 579-5683

Category: Investigation indicates there was no spill.

Class: Any Type of RP, Including No RP – DEC Field Response – Corrective Action Not Required or Not Possible

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
03/02/2004		TANK TEST FAILURE	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL		PETROLEUM	0	POUNDS	0	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
4	50000	VacuTest	0.00	UNKNOWN

Caller Remarks:

tank test failure. they are unable to reach a pressure set type.possible man way gasket leak.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIPPLE 8/18/04 tipple updating/////Island tank 718-967-9424 doing work//investigating tank #1///tank #4 failed/////

Spill assigned to James Drumm for SCI 11/7/05 tank was repaired and re-tested. passed. report in file

08/29/06-Vought-Received message from Brian Shaw (212-922-0777) asking whether tanks could be used. Vought returned call and unable to leave message as number left is not correct number for Shaw.

9/26/06 spoke to J. Drumm of CO. Spill was closed 1/06: report reviewed by Reg. 2 staff prior to 1/06. sent NFA letter at request of Edward Zammet of lincoln Medical Center. bf

Map Identification Number 66



PARKING GARAGE - TTF

751 CONCOURSE VILLAGE WEST

BRONX, NY

Spill Number: 1215394

Close Date: 11/24/2015

TT-Id: 520A-0286-202

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1736 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: 751 W CONCOURSE VILLAGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: MIKE – ENVIRO COMPANY FOR PROPERTY OWNER – PARKER
 Notifier Type: Tank Tester Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: TJDEMEO Contact for more spill info: MIKE – ENVIRO COMPANY FOR PROPERTY OWNER – PARKER Contact Person Phone: (516) 242-4981

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/07/2013		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

Failed test. Removal being scheduled for valuted above ground being made.

DEC Investigator Remarks:

3/27/13 AFrischeisen intern TTF letter sent.

11/24/15 TJD File review. Teleconference with Mr. John Lee (Attorney for purchaser). As per Mr. Lee, due diligence conducted prior to this property transfer revealed an open spill file associated with 751 Concourse Village West, Bronx. Upon further investigation the following background information was provided:

By a way of background, from 1950, the subject property had four (4) 550 gallon tanks that was removed in 1960 and consolidated and with one (1) concrete enclosed 4,000 gallon that was also closed in 2007 under DEC No. PBS 2-610694. At the same time all piping and underground infrastructure was also removed from the property. At the present time the only source energy used for A/C and Heat is electric.

The Spill No. 1215394 references a Tank Test Failure associated with a test that was conducted on February 7, 2013 that indicates that an underground tank was tested. However, this information is inaccurate and contradictory since all the underground tank were either removed and/or officially closed by 2007 as recorded by DEC. Therefore, an underground test of a tank would be physically impossible. Subject property has in the past been confused with other property in the area and we strongly believe that the Spill No. 1215394 has been assigned to the subject property in error.

Finally, my clients are conduction a closing tomorrow at Wilshire Bank in Midtown to purchase the subject property and the Spill No. 1215394 has caused Wilshire Bank to escrow \$950,000.00 pending the closure of the open Spill No. 1215394. As evidenced by the attached Commitment Letter from Wilshire Bank, the open environmental issue on the property required the escrow of the

\$950,000.00.

Based upon the documentation provided and confirmation of same through PBS records – the property address is listed incorrectly on the initial spill report. All provided documentation has been uploaded to DECDOCS. As such, spill file is administratively closed.

Map Identification Number 67**PREMIER METALS**

381 CANAL PLACE

BRONX, NY 10451

Spill Number: 9903367**Close Date: 05/15/2015**

TT-Id: 520A-0012-092

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1872 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester

Caller Name: MATTHEW MATCHETTE

DEC Investigator: VXBREVDO

Spiller: GINA CONSTANTINI – PREMIER METALS

Notifier Name: MATTHEW MATCHETTE

Caller Agency: CROMPCO CORPORATION

Contact for more spill info: GINA CONSTANTINI

Spiller Phone: (516) 249-3150

Notifier Phone: (610) 278-7203

Caller Phone: (610) 278-7203

Contact Person Phone: (516) 249-3150

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/23/1999		TANK TEST FAILURE	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
	2000	USTest 2000/P/LL plus USTest 2000/U	0.00	UNKNOWN

Caller Remarks:

tank contained #2 oil – gross fail

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAWYER 9/08/03 1541 Hrs Sawyer forwarded pbs report to Sigona for inspection. The pbs registration is overdue.

9/17/03 Rossan performed PBS inspection and found them removing tank for closure which opened another spill because of the contamination.

9/23/03 – Sawyer – Sent contaminated soil letter to 381 Canal Place Management.

2/11/04 1030 Hrs – Sawyer – Sent contaminated soil letter to Pride Furniture, Attention: Joseph Muller.

6/24/05 – Spill Lead_DEC Field changed to Grathwol .

After repeated efforts by M. Haggerty to contact owner (received no cooperation) and 30–day Department letter requesting information was ignored, J. Grathwol visited the site on 2/16/06. Talked with employees of Pride Furniture. They stated they had no knowledge of the spill. Asked me to call back and discuss with owner. Called several times with no success, Pride Furniture staff stated the owner would call me directly, but it did not happen. Pride Furniture is heated by salamanders , torpedo–shaped heaters – no oil heat. Spill #8709462 is 3 tank failures with gross leaks and was closed because of the multiple spills at the same address. Pride Furniture phone number: 718–585–1400. Recommend this project as potential PIN project. {Grathwol}

9/11/06 assigned to bf

9/11/06 sent ttf old spill letter. bf

Undated notes from telephone conference with Schretzmayer in the hard file, entered here 4/22/10: J. Urda case 4/30/09 report – no delineation done yet, wants site visit Phase II investigation Sept. '03 not in file (e–docs). Proposal is to delineate soil and groundwater determination. Will plan be approved by DEC? J. Schretzmayer wants site visit for boring locations. Last page – will send investigation report.

9/23/03 cont. soil letter sent ttf

001 & 002 closed removed 10/18/03 (not processed) 003 closed in placed 9/17/03

send cont soil letter?

+++++

NOTE: Report referred to above is not in the file. bf

8/7/12 bf: On 8/2/12 received call from Stephanie Davis of FPM Group (631)737–6200 ext.228. She is preparing a proposal for either investigation or remediation. She called back on 8/6/12. She wanted to know where this case is as far as investigation and remediation. I told her that I needed to review the file and called her back on 8/7/12. Very little documentation found in e–docs. Found reports dated 10/1/03 (soil sampling), 12/3/03 (tank closure), and 4/30/09 (work plan) in OGC file. Ms. Davis requested copies of any reports regarding the investigation. Documents were e–mailed to her today . She sent the following

e-mail: Brian ~ As per our discussion, please provide a copy of the available technical reports for the above-referenced spill such that we may develop an appropriate scope of work for further investigation and/or remediation, as needed. If you have any questions, please contact me via email or the phone number below. Thanks again for your help in this matter.

Stephanie O. Davis, CPG

Hydrogeology Department Manager

FPM Group

909 Marconi Avenue

Ronkonkoma, NY 11779

(631) 737-6200, ext. 228

Fax (631) 737-2410

-----end-----

1/24/13 On 11/26/12, received sub-surface investigation work plan. bf

1/28/13 OGC sent letter to James Rigano, attorney, requesting an approvable work plan and notification for the continuing violation of a Commissioner's Order. Work plan is due in 45 days. bf

2/1/13 Yesterday, received updated work plan dated January 30, 2013. Sent approval of the plan to Stephanie Davis, consultant. bf

07/16/13 – Spill Case is transferred from Brian Falvey (PBS Unit) to V. Brevdo (Section B) as per DER Region 2 decision – Tank Test Failure Spill Case. VB

11/12/2013 – V. Brevdo Called Stephanie Davis of FPM Group, left voice mail inquiring about the status of the project. V.B.

11/12/2013 – V. Brevdo Received call from Stephanie Davis of FPM Group. FPM implemented investigation work plan dated January 30, 2013 and previously approved by the Department (PBS Unit – Brian Falvey). FPM also submitted May 23, 2013 Subsurface Investigation Report, Tank Compliance, and Remedial Action Work Plan. Stephanie Davis e-mailed May 23, 2013 report via e-mail (previously was submitted to PBS Unit), which needs Department's review and approval. VB

11/13/2013 – V. Brevdo

Current Status of the Project:

Industrial / Commercial Building at 381 Canal Place, Bronx (Spill No. 9903367) (a.k.a. Gladiator Realty Corp. and Canal Management Corp.) This property is investigated and remediated under the January 14, 2010 Commissioner's Order in Matter of

Gladiator Realty Corp. and Canal Management Corp. The Order requires, among other things, that Gladiator Realty Corp. investigate and remediate petroleum contamination at the site, and correct violations of State's PBS regulations. Historically the building on the site was used as a factory and warehouse. At present the building has several tenants, including a woodworking operation, a market and a warehouse. FPM Group has performed a subsurface investigation at the property in accordance with the Department-approved Subsurface Investigation Work Plan dated January 30, 2013. The investigation was conducted on March 19 to March 21, 2013. Although the investigation results indicated the presence of visibly impacted soil in proximity to the closed in-place USTs from between approximately 5 and 15 feet below the building floor, the soil sampling data demonstrated no exceedances of the Department-recommended soil cleanup objectives. The groundwater sampling indicated presence of VOCs and SVOCs at concentrations lower than NY State drinking water standards. FPM Group has proposed removal of free product on a monthly basis using bailers and/or absorbent materials until no product is detectable or until the thickness of product is reduced to a feasible minimum. A compliance issue associated with the closed tanks was also assessed during the course of this work. Subsurface Investigation Report, Tank Compliance, and Remedial Action Plan document dated May 23, 2013 was submitted to the Department for review and approval. On November 13, 2013 the Department has provided FPM group with comments on the May 23, 2013 document, requested submission of the detailed RAWP, including schedule of proposed remedial activities and Health and Safety Plan. FPM advised the Department they will submit a detailed RAWP that addresses Department's comments.

VB

11/26/2013 – V. Brevdo

e-mail from the Department to FPM, consultant for RP.

November 26, 2013

Dear Ms. Davis:

Could you please give me an estimated date when you think FPM will submit the detailed RAWP and address my November 13, 2013 comments on May 23, 2013 Investigation Report?

Happy Thanksgiving to you.

Vadim Brevdo

12/11/2013 – V. Brevdo Called Stephanie Davis of FPM group – left voice mail inquiring on the status of submission of the detailed RAWP for the project. V.B.

01/23/2014 – FPM submitted RAWP. VB

01/23/2014 – Completed review of January 23, 2014 RAWP. Sent e-mail to FPM containing questions and/or comments on RAWP.

Current project status:

Industrial / Commercial Building at 381 Canal Place, Bronx (Spill No. 9903367) (a.k.a. Gladiator Realty Corp. and Canal Management Corp.) This property is investigated and remediated under the January 14, 2010 Commissioner's Order in Matter of

Gladiator Realty Corp. and Canal Management Corp. The Order requires, among other things, that Gladiator Realty Corp. investigate and remediate petroleum contamination at the site, and correct violations of State's PBS regulations. Historically, the building on the site was used as a factory and warehouse. At present the building has several tenants, including a woodworking operation, a market and a warehouse. FPM Group has performed a subsurface investigation at the property in accordance with the Department-approved Subsurface Investigation Work Plan dated January 30, 2013. The investigation was conducted on March 19 to March 21, 2013. Although the investigation results indicated the presence of visibly impacted soil in proximity to the closed in-place USTs from between approximately 5 and 15 feet below the building floor, the soil sampling data demonstrated no exceedances of the Department-recommended soil cleanup objectives. The groundwater sampling indicated presence of VOCs and SVOCs at concentrations lower than NY State drinking water standards. FPM Group has proposed removal of free product on a monthly basis using bailers and/or absorbent materials until no product is detectable or until the thickness of product is reduced to a feasible minimum. A compliance issue associated with the closed tanks was also assessed during the course of this work. Subsurface Investigation Report, Tank Compliance, and Remedial Action Plan document dated May 23, 2013 was submitted to the Department for review and approval. On November 13, 2013 the Department has provided FPM group with comments on the May 23, 2013 document, requested submission of the detailed RAWP, including schedule of proposed remedial activities and Health and Safety Plan. FPM submitted a detailed RAWP on January 23, 2014. The proposed remedial action includes removal and proper disposal of free-phase petroleum product identified in three monitoring wells in proximity to the closed in-place USTs and associated fill port. Product monitoring, removal and disposal activities will be conducted under a site-specific Health and Safety Plan, which includes procedures to ensure the safety of remedial personnel, on-site workers, and the nearby community. Two months pilot test is proposed to ascertain the effectiveness of the proposed remediation. The Department reviewed RAWP on January 23, 2014 and requested several clarifications/revisions to the document. Clarifications/revisions are pertinent to verification of no residual free product remaining in closed-in-place tanks and description of the remedial goal. VB

02/05/2014 – V. Brevdo Received Revised RAWP from FPM dated February 5, 2014. All the Department's January 23, 2014 comments (sent via e-mail) are addressed satisfactorily to the Department in the revised RAWP. Revised RAWP can be approved, but approval will be contingent on the successful completion of the pilot test and demonstration that the proposed remediation has reasonable expectation to be effective as a full-scale long term remedial approach. V.B.

02/05/2014 – V. Brevdo Reviewed Revised RAWP and issued approval letter. VB

04/15/2014 – V. Brevdo e-mail from FPM:

Vadim,

Please find attached the results for the product monitoring pilot test we conducted for the above-referenced site in March 2014. In general, we found that product levels decreased over the testing period and recommend that monthly monitoring be continued. Please feel free to contact me with any questions.

Ben

Ben T. Cancemi, CPG Senior Hydrogeologist Department Manager

FPM group 909 Marconi Avenue Ronkonkoma, NY 11779 (631) 737-6200, ext. 209

04/16/2014 – V. Brevdo e-mail to FPM

April 16, 2014

Dear Mr. Cancemi:

I reviewed Product Monitoring Pilot Test Report prepared by FPM, dated April 15, 2014.

I have the following questions pertinent to the report:

1) According to the approved Remedial Action Work Plan (dated February 5, 2014), the expected duration of the pilot test is two months. Given the pilot test commencement appears to be March 6, 2014, the pilot test should be completed by around May 6, 2014.

Do you expect to complete pilot test by May 6, 2014? If not, when is the expected remedial pilot test completion date?

2) According to the schedule in the RAWP, A Pilot Test Report is supposed to be submitted to the Department upon completion of the pilot test. It is my understanding that the pilot test has not yet been completed and April 15, 2014 report is not submitted as a final pilot test report or in leau of final pilot test report. Final pilot test report is yet to be submitted. If my understanding is incorrect, please let me know.

3) The Department's February 5, 2014 RAWP approval letter states the following:

Please note that this approval of the Remedial Action Work Plan is contingent on the successful completion of the pilot test and demonstration that the proposed remediation has reasonable expectation to be effective as a full scale / long term remedial approach.

Review of the Table 1 Product monitoring data reveals that the amount of product recovered from well MW-1 during the March 2014 is 480 milliliters which is equal to 0.13 gallons.

Total volume of product removed from all wells is 770 milliliters or 0.2 gallons. To me this appears as a very small volume. Have FPM evaluated a total volume of free product present in the subsurface at the site? Have FPM concluded whether this product removal rate is effective and whether this removal rate will ensure product removal completion within a reasonable time frame?

Thank you,

Vadim Brevdo

07/28/2014 – V. Brevdo FPM Group submitted product monitoring report dated July 28, 2014. VB

11/03/2014 – V. Brevdo FPM submitted Product Monitoring Third Quarter Report dated November 3, 2014. VB

03/03/2015 – V. Brevdo FPM submitted Product Monitoring Third Quarter Report dated March 2, 2015. FPM continues monitoring and product removal activities, and submitted Product Monitoring and Removal Report for the fourth quarter of 2014 on March 3, 2015. Over the course of monthly monitoring/removal events from July 2014 throughout December 2014, the thickness of product and removed product volumes in wells situated in the proximity to the closed in-place USTs continued to decrease. One of three

recovery wells no longer contains free product. FPM will continue to perform the product monitoring and removal activities on a monthly basis. VB

03-24-2015 – V. Brevdo Ms. Mishelle Gambetta called and represented herself as doing research on the property at 388 Canal Place which they want to buy. Ms. Gandetta inquired about the contamination at 381 Canal Place. I (Vadim Brevdo) explained that 381 Canal Place has open petroleum spill case with NYSDEC, and the Department is overseeing the investigation and cleanup of 381 Canal Place. Remediation is currently in progress. With regard to detailed questions about the contamination I suggested that Ms. Gandetta can apply for the project files review under the Freedom of Information Law. I provided for the phone number and fax number to apply for FOIL. V. Brevdo

05-15-2015 – V. Brevdo Spill Case Closure Decision Industrial / Commercial Building at 381 Canal Place, Bronx (Spill No. 9903367) (a.k.a. Gladiator Realty Corp. and Canal Management Corp.) This property is investigated and remediated under the January 14, 2010 Commissioner's Order in Matter of Gladiator Realty Corp. and Canal Management Corp. The Order requires that Gladiator Realty Corp. investigate and remediate petroleum contamination at the site, and correct violations of State's PBS regulations. Historically, the building on the site was used as a factory and warehouse. At present the building has several tenants, including a woodworking operation, a market and a warehouse. FPM Group has performed a subsurface investigation at the property in accordance with the Department-approved Subsurface Investigation Work Plan dated January 30, 2013. The investigation was conducted from March 19 to March 21, 2013. The soil sampling data demonstrated no exceedances of the Department-recommended soil cleanup objectives. The groundwater sampling indicated presence of VOCs and SVOCs at concentrations lower than NY State drinking water standards. FPM Group has proposed removal of free product on a monthly basis using bailers and/or absorbent materials until no product is detectable or until the thickness of product is reduced to a feasible minimum. A compliance issue associated with the closed tanks was also assessed during the course of this work. FPM submitted a detailed RAWP on January 23, 2014 which the Department approved on February 5, 2014. The proposed remedial action included removal and proper disposal of free-phase petroleum product identified in three monitoring wells in proximity to the closed in-place USTs and associated fill port. Two months pilot test was proposed to ascertain the effectiveness of the proposed remediation. On April 16, 2014, FPM submitted the Remedial Pilot Test Report following a series of pilot test product monitoring and removal events implemented throughout March 2014. FPM determined that the product thickness decreased over the testing period and recommended that monthly product monitoring and removal activities continue. The Department approved FPM's recommendation. FPM continued monitoring and product removal activities throughout 2014 and winter/spring 2015. On May 14, 2015, FPM submitted Product Monitoring and Removal Report for the first quarter of 2015, including Spill Case Closure Petition. Based on review of the free product monitoring and removal data, FPM has reached the following conclusions: Free-phase product is contained onsite to the proximity of the closed-in-place USTs and associated fill port. The product is confined to the property and is not migrating. Groundwater and soil have been sampled in the product area and downgradient and no exceedances of recommended cleanup values have been detected. Free product has been observed in two wells but has not been observed in four other wells, two of which are downgradient of the product area. Product thickness and removed product volumes declined early in the monitoring and removal process and have remained low ~ 0.1 foot or less ~ since that time. FPM concluded that product has been removed to the extent feasible. The completed remediation is protective of human health and the environment for the contemplated use of the site as a commercial warehouse, woodworking operations and market. The Department agreed with FPM that the spill case can be closed at this time. Spill Case is closed effective May 18, 2015. VB

Map Identification Number 68**381 CANAL PLACE**

381 CANAL PLACE

BRONX, NY 10451

Spill Number: 8709462**Close Date: 03/21/1995**

TT-Id: 520A-0012-091

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1872 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester

Caller Name: WAYNE COLLHIN

DEC Investigator: BATTISTA

Spiller: PPA INDUSTRIES

Notifier Name:

Caller Agency: COLBERT TANK

Contact for more spill info:

Spiller Phone: (212) 993-9200

Notifier Phone:

Caller Phone: (718) 979-6800

Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
02/02/1988	09/30/1992	TANK TEST FAILURE	2-342017	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

3 TANKS TANK 1--2K & GROSS LEAK TANK 2--2K, LEAK RATE = -.271GPH TANK 3--5K, LEAK RATE = -1.424GPH 8/11/88 : 5K TANK FAILED RETEST, L R=-0.061 GPH.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

/ / : RESP. PARTY WILL PUMP OUT, EXCAVATE AND RETEST.

04/01/88: REPAIRS WERE MADE -04/01/88 THE TANK -2,000 GALLON PASSED PETROTITE AT RATE OF -0.032 GPH.

03/21/95: SPILL CLOSED ON MIKE MULQUEEN'S RECOMMENDATION. INACTIVE STATUS SINCE 9/20/92 CHANGED TO 3/21/95 BY SMM.

Map Identification Number 69 **146TH ST & LENOX AVE**
 721 LENOX AVE

MANHATTAN, NY

Spill Number: 9106264

Close Date: 12/27/2000
 TT-Id: 520A-0100-726

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: 10039

Source of Spill: NON-MAJOR FACILITY (>1100 GAL)
 Notifier Type: Tank Tester
 Caller Name: STEPHEN MCGUIRE
 DEC Investigator: MCTIBBE

Spiller: NYCTA
 Notifier Name:
 Caller Agency: TANK TECH CORP
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (800) 966-8265
 Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),
 contamination of drinking water supplies, or significant release to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
09/10/1991		TANK TEST FAILURE	NO		NO		
Material Spilled	Material Class		Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM		-1.00	GALLONS	0.00	GALLONS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

TWO 5000 GAL TANKS MANIFOLDED. PETROTITE -.280GPH. ISOLATING & INVESTIGATING PIPING.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE 11/18/94: REASSIGNED FROM SIGONA TO ZHITOMIRSKY ON

11/18/94. DEC SIGONA REASSIGNED TO KEVIN HALE ON 1/23/98 transfered from Hale to Tibbe on 12/27/00. refer to 89-02374. remediation ongoing.

Map Identification Number 70 **MOTHER CLARA HALE (146TH ST) DEPOT -NYCT** **Spill Number: 8904241** **Close Date: 06/30/2005**
 721 LENOX AVE MANHATTAN, NY TT-Id: 520A-0100-745

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: 10039

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Tank Tester
 Caller Name: SEBASTIAN LOREFICE
 DEC Investigator: MCTIBBE

Spiller: TRANSIT AUTH BUS GARAGE
 Notifier Name:
 Caller Agency: TANK TESTING INC
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (718) 789-3770
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/28/1989		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

8K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK, WILL EMPTY TANK & INTERNALLY INSPECT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE 11/15/94: REASSIGNED FROM SIGONA TO ZHITOMIRSKY ON 11/15/94.

transferred from Hale to Tibbe on 12/27/00. tanks replace/repaired/upgraded. investigation pending. See also 89-02374, 91-06264, 93-04003, 96-06076, 98-13017 & 01-02743.

Refer to 8902374.

Map Identification Number 71**MOTHER CLARA HALE (146TH ST) DEPOT -NYCT**

721 LENOX AVE

MANHATTAN, NY 10039

Spill Number: 8902374**Close Date: 10/04/2017**

TT-Id: 520A-0100-730

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name: JOE PRESSER

DEC Investigator: RVKETANI

Spiller: NYCTA

Notifier Name:

Caller Agency: NYCTA

Contact for more spill info:

Spiller Phone:

Notifier Phone:

Caller Phone: (718) 330-4891

Contact Person Phone:

Category: Known release which created a fire/explosion hazards (inside or outdoors), drinking water supply contamination, or significant releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
06/07/1989		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	GALLONS	-1.00	GALLONS	SOIL, GROUNDWATER
DIESEL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER
HYDRAULIC OIL	PETROLEUM	-1.00	GALLONS	-1.00	GALLONS	SOIL, GROUNDWATER
WASTE OIL/USED OIL	PETROLEUM	-1.00	GALLONS	-1.00	GALLONS	SOIL, GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

FOUR 5K TANKS LEAKING INTO VAULT. GROUNDWATER DISCOVERED IN VAULT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE transfered from Hale to Tibbe on 12/27/00. see also 89-02952, 89-04241, 91-06264, 93-04003, 96-06076, 01-02743. tanks repaired/replaced/upgraded. remediation ongoing.

See also 98-13017 for waste oil plume.

12/19/07: Since the depot is slated to be demolished, NYCT has decided to remove as much of the contaminated soil and LNAPL as physically possible. They submitted an SSRP/RD for excavation, which was approved. At the time of the remediation, Spill #s 05-13028, 07-03983 & 06-10604 will be investigated and if necessary remediated.

06-17-08: Spill #s 9813017, 0513028, 0610604 & 0703983 have been closed and consolidated under this number because all of the spills will be remediated at the same time.

11/12/10 – spill re-assigned from Tibbe to Joe O'Connell

5/19/2011 The spill was reassigned from Joe O'Connell to Linda Ross

2/27/12 – Raphael Ketani. Site was transferred to me during February 2012.

4/26/12 – Raphael Ketani. The DEC was informed during the monthly meeting that depot construction is still taking place.

5/28/13 – Raphael Ketani. I reviewed the March 2013 Monthly Status Report for all of the subject NYCT bus depot sites. More wells were destroyed as a result of the ongoing construction. Only two wells are left. These are at the east end of the property.

5/29/13 – Raphael Ketani. Gregory Mathelier (212) 252-3470/cell (646) 765-0336, Construction Administrator for the NYCT bus depot sites, sent me the May 2013 Engineering Report for Site Remediation Through In-situ Solidification/Stabilization of the oil contaminated soil (prepared by URS).

Mr. Mathelier stated in the text of his e-mail that:

The subject Final Engineering Report (FER) prepared by our consultant (URS) for the In-situ Solidification/Stabilization (ISS) performed at the Mother Clara Hale Bus Depot is attached. This report presents a background of remedial investigations performed at the site, the bench scale study conducted prior to the ISS and documents the pilot tests and full scale open-pit mixing for ISS performed within the footprint of the site. The goal of the ISS Program was to solidify contaminated petroleum-impacted soil within the footprint of the site as a means of remediation; this method was approved by the NYSDEC. The ISS program was implemented by Hayward Baker, a subcontractor to NYCT's Remediation Contractor, Franklin, through a bench scale study, a pilot study and a full-scale treatment (ISS) that covered delineated areas of petroleum-impact within the footprint of the site. The results of the bench scale study confirmed the effectiveness of the ISS for the established criteria for unconfined compressive strength, permeability and reduced leaching potential.

I reviewed the report.

5/31/13 – Raphael Ketani. I finished reviewing the ISS report. The Site Specific Remedial Plan was approved during July 2009. The remedial method specified is in-situ solidification/stabilization (ISS). Franklin Company Contractors substantially completed the work by October 4, 2010. The report was prepared in compliance with Subparagraph III.E.4.i of the Consent Order. From 1993 to 2010, numerous investigations were performed. Various product recycling methods were used with limited success. The old building was demolished, but long sections of the 9 foot high retaining walls were left in place. Subsurface structures were also present within the old footprint.

DEC agreed to using solidification/stabilization if it could be demonstrated that unconfined compressive strength equal to or greater than 50 psi, permeability of equal to or less than 1×10^{-6} cm/sec and reduced leaching potential towards achieving groundwater standards could be achieved. First, bench scale tests were done. Two design mixes were successful – one for diesel oil areas, and one for waste oil and hydraulic fluid areas. They used a 3:1 ratio dry mix of slag and Portland cement. A 6% mix with soil was used for the waste oil and hydraulic lift areas. An 8.5% mix with soil was used for the diesel oil areas.

Hayward Baker Inc. performed the solidification/stabilization work. The work started on 2/3/10 and finished on 10/7/10. The work took place with maximum volume 100 cu. yd. cells and each cell had to be completed the same day. The treatments were in 6' x 20' cells aligned perpendicular to the walls. Interior cells were 10' x 25'. A minimum period of 7 days was required between treatment in a given cell and treatment of an adjacent cell. The work was done by removing the surficial structures, removing the overburden and structures on a cell by cell basis, pre-clearing the treatment zone on a cell by cell basis via excavation and structure removal, and finally the application and mixing of the ISS mix. The soil was mixed in an open pit with a mixing head. The soil was mixed with grout consisting of type I/II Portland cement, granular blast furnace slag and water. The pit was mixed from bottom to top of each cell. There were 19 subareas of mixing.

The DEC required sampling of the grout to insure that the results were uniform and compliant. Tests were done regarding permeability and 56 day breaks for data regarding the curing. Four wet samples were obtained from each cell – 2 from the bottom and 2 from the top. The samples were formed into 3 in. by 6 in. cylinders for strength testing via ASTM D2166. Cylinders were formed 3 in. by 3 in. for permeability testing via ASTM D5084. Other cylinders were formed 2 in. by 4 in. for leachability testing via method ANS/NSI 16.1. Slump tests were performed by Franklin staff for bottom samples only.

Pilot tests were done by Hayward Baker on 11 cells in diesel oil area H on 3/18/10, but it rained heavily during the tests and the cells ended up with 2 feet of water at the top. New pilot tests were performed on 3/19/10 in waste oil area A and a second test and a third test were performed in diesel oil area D on 3/19/10 and 3/22/10, respectively. The fourth pilot test was performed in hydraulic lift area P.

Full scale work started with a rich mix as a contingency against excessive water. The full scale mixing started on 3/22/10. A retaining wall was found in front of the west wall. This required a change from the open pit mixing method. The new method involved the installation of 2 rows of grout columns (secant piles). Each column was 36 inches in diameter and 16 feet deep. There were 33 columns per row. Also, holes were drilled through the toe of the retaining wall and grout was injected beneath the wall and between the columns and foundation wall. Seventy six 6 inch diameter holes were drilled. The grout columns were installed from 8/11/10 to 8/17/10. Later, from 8/19/10 to 9/7/10, another 66 columns were installed – most of which were 26 inches in diameter as the larger diameter cutting head had broken. The open pit mixing east of the columns was completed on 9/13/10 and grouting in the toe holes was completed on 9/28/10.

Only 2 of the 1,000 grout samples did not meet the 50 psi compressive strength criteria. However, the 28 day break samples were

satisfactory. So no action was required. Thirteen of the 1,000 grout samples did not meet the permeability criteria. URS staff expected that they would meet the criteria as they would cure. So no action was warranted. The leachability results were given to the DEC, but not included in the report. All of the samples were deemed to have met the reduced leaching potential such that the goal of meeting the groundwater standards was achieved, if practicable.

About 26,500 cu. yds. of soil was treated through ISS. An additional 100 cu. yds. was treated using low pressure grouting. Areas were backfilled with treated soil and 6,100 tons of recycled concrete aggregate to the level of the pre-remediation grades.

Scope variance: due to the groundwater rise as a result of the heavy rain, clean soil layers nearer to the surface were contaminated. An agreement was reached between the DEC and the NYCT to raise the vertical limit for soil treatment. Due to staining along the southern wall of the excavation, a 21' x 23' x 12' area south of areas O and P was treated. About 7,300 tons of unimpacted structures and debris were disposed of off site. Additionally, 6,100 tons of fill were imported to bring the site up to grade. A larger than anticipated quantity of overburden soil was treated – 4,575 cu. yds. In order to address the variances, the contract was extended to 10/18/10.

I found the report to be acceptable and approved it without comment.

1/28/15 – Raphael Ketani. I reviewed the January 5, 2015 Site Specific Investigation Work Plan for the Confirmatory Soil and Groundwater Investigation. The investigation is being implemented in order to verify current contamination conditions beneath the sidewalks on the north and east sides of the building and in order to gather information to develop alternative recommendations, if warranted, to address any residual contamination. Fifteen (15) borings will be installed using the direct push method. Up to 4 will be groundwater probes. These will be performed where there is no soil contamination in order to be able to sample just dissolved analytes in the groundwater. Up to 3 borings will become wells. Groundwater is 8 to 10 feet bgs. Soil and groundwater samples will be collected and will be processed via methods 8260 and 8270. The soil samples will be taken with 4 foot macrocores. The borings will end at 20 feet bgs. If contamination is found, then the borings will continue until clean material is encountered. The wells will be screened from 5 to 17 feet below grade. The wells will be sampled one week after development. Purging and sampling will use a low flow method. One composite soil sample from the waste material drums will be collected and sent off to the lab for waste characterization.

I found the SSIWP to be acceptable with one comment. The waiting time between well development and sampling of one week was too short. By general environmental practice, well sampling should not take place any sooner than one month after development. Preferably, sampling should take place at least 3 months after development.

I drafted a letter stating that the DEC was approving the SSIWP, but that well sampling must not take place any sooner than one month after well development. The letter was submitted to Hassan Hussein, EE III and head of Unit C, for his review and approval.

2/5/14 – Raphael Ketani. Mr. Hussein approved the letter and it was sent out today.

9/29/15 – Raphael Ketani. There have been repeated attempts by the NYCT to gain access to well MW-30R in order to conduct groundwater monitoring. However, these attempts had all failed as the superintendent of the building had continuously refused to grant access to the well which is behind a locked fence. Yesterday, Ms. Cadecia Josephs, assistant to Gregory Mathelier, sent me an email with the names of two people in the NYCHA who may be able to provide access to this locked location. These people were Brian Honan (brian.honan@nycha.nyc.gov) and Keith Mitchell (keith.mitchell@nycha.nyc.gov). Today, I sent an email to Mr. Honan and Mr. Mitchell requesting their help with the situation.

11/16/15 – Raphael Ketani. As I had not received an email from Mr. Honan or Mr. Mitchell regarding providing access to well MW-30R, I sent another email to them requesting their assistance. I included Mr. Mathelier [(212) 252-3470/cell (646) 765-0336, Construction Administrator] as a c-c.

Soon afterwards, Mr. Honan sent me an email asking when the NYCT would need to gain access to MW-30R. I responded that he should coordinate access with Mr. Mathelier of the MTA-NYCT.

Mr. Honan is the Director of the Office of Intergovernmental Relations (212) 306-8108. Mr. Honan added Luis Ponce and Brian Clarke to the email he had sent when responding to me.

Later, Mr. Ponce sent me an email stating that he will contact Mr. Mathelier in order to resolve the matter.

4/20/16 – Raphael Ketani. Ms. Cadecia Josephs, assistant to Mr. Mathelier, sent me an email containing the following work schedule:

Below is our proposed initial schedule for the Mother Clara Hale Supplemental Investigation:

Monday, May 2, 2016 Geophysical survey. Initiate sidewalk saw-cutting and guzzler pre-clearing activities.

Tuesday, May 3, 2016 and Wednesday, May 4, 2016 Continue sidewalk saw-cutting and guzzler pre-clearing activities.

Thursday, May 5, 2016 through Tuesday, May 10, 2016 Soil boring and groundwater probe installation activities.

Wednesday, May 11, 2016 through Monday, May 16, 2016 Soil boring and groundwater monitoring well installation activities.

Tuesday, May 17, 2016 through Tuesday, May 24, 2016 Sidewalk flag repair

Tuesday, May 31, 2016 Well development and survey of sample locations.

Thursday, June 30, 2016 Groundwater sampling of newly-installed monitoring wells.

Please note that these dates may change based on the findings of the investigation and/or any input from the Depot AGM during our site meeting next week.

AARCO is currently coordinating for NYCDOT permits, which will take some time and is driving the start date 2 weeks from now.

9/28/17 – Raphael Ketani. Today, at a general remedial progress meeting for NYCT bus depots and related properties, Mr. Mathelier gave me the NYCT September 2017 Confirmatory Soil and Groundwater Investigation/Petition for Spill Closure Report for the site that was written by staff from Dvirka & Bartilucci Engineers and Architects. I gave the report today's date as the date of publication as none was indicated.

10/2/17 – Raphael Ketani. I began my review of the Confirmatory Soil and Groundwater Investigation/Petition for Spill Closure Report.

10/3/17 – Raphael Ketani. I finished my review of the Confirmatory Soil and Groundwater Investigation/Petition for Spill Closure Report. The Mother Clara Hale depot had 3 known types of subsurface petroleum impacts: diesel fuel, waste oil and hydraulic oil. An estimated 44,354 gallons of total liquid was released from leaking USTs, their associated piping and the oil/water separator system. A total of 7016 gallons of product was recovered, but only during the early years of the remediation process. Only wells MW-13R and MW-30R remained after the new depot building had been constructed. Petroleum impacts were identified at 3 to 16 feet below grade. The majority of the impacts were within the zone of groundwater fluctuation which was at 8 to 10 feet below grade. Up to 3.6 feet of product had been measured in one well (MW-12) in the southeast corner of the site. No free product was found in the hydraulic lift areas. On site impacts were addressed through In Situ Soil Stabilization (ISS).

The intent of ISS was to immobilize the residual soil contamination. Before ISS could be performed, all subsurface structures were removed (i.e. foundations) and clean soil. Contaminated soil was mixed with water, cement and ground furnace slag. ISS was initiated during February 2010. Off site impacts found at MW-10R, MW-11R and MW-12 were addressed as a separate remedial activity. URS (previous consulting company) did an off site delineation investigation during February 2010. It consisted of conducting 15 soil borings within the sidewalk and street to the north and east of the depot.

Free product was found at borings B-84, B-85 and B-86. These locations were identified as the former area of the remote diesel fills. Samples from B-77, B-78, B-84 and M-86 had soil VOC exceedances above the clean up criteria. Samples from B-87 and B-90 exceeded the SVOC cleanup criteria. Though the draft Shallow Excavation and Surfactant Flushing SSRP/RD dated September 2010 was written by URS, it could not be implemented as the new depot construction was taking place. Dvirka & Bartilucci (D&B; the current consulting company) wrote an SSIWP for conducting confirmatory borings and a groundwater investigation in order to verify the current conditions in these areas. The SSIWP was approved by the NYS DEC on 2/5/15. The program was implemented by D&B from May 9th to the 26th of 2016. A total of 24 borings, 4 groundwater probes (MCSB-04, 09, 13 and 18 and later renamed MWGP-01 to MWGP-04), 4 wells and soil and groundwater sampling were conducted along the northeast sidewalk and around the southeast corner. The total depths of the borings varied from 20 to 25 feet below grade. Both the soil samples and the groundwater samples were analyzed for VOCs and SVOCs. The screens for the groundwater probes and wells were installed from 5 to 20 feet below grade. The wells were sampled on 7/13/16. The free product program took place based on the results of this investigation.

The enhanced petroleum monitoring and recovery program took place from May 2016 to June 2017 and consisted mostly of VEFring from May 2016 to May 2017. It was implemented due to the appearance of free product at MCMW-02 and MCMW-03.

Forty seven soil samples and 9 groundwater samples were collected from 5/6/16 to 7/13/16 as part of the confirmatory soil and groundwater investigation. The soil under the site was determined to be tan to brown with fine to medium subangular sand with varying amounts of fine to medium gravel, silt, cobbles. A thin layer of anthropogenic fill covered the natural soil. Groundwater was encountered at 9 to 13.75 feet below grade. Oil staining and odors were found in 22 of the 24 soil samples at depths from 6 to 22 feet below grade. The borings with the most significant contamination were at MCSB-16 to 22 and 24 at depths of 10 to 15 feet bgs. Hydrocarbon odors were present in the purge water from MCMW-01 to MCMW-04. Nine groundwater samples were taken from groundwater probe locations MCGP-01 to 04, MCMW-01, 02 and 04 and MW-13R and MW-30R. MCMW-03 consistently had product from 0.13' to 2.29' (1/11/16 sample) thick and MCMW-02 had 0.01' of product on 9/9/17. Product was recovered using manual methods during the last month of monitoring. The product in MCMW-03 was reduced to 0.01 feet thick or less since the 4/20/17 monitoring event. No product was observed in any well on 5/26/17. An additional 15 gallons of product was recovered at MCMW-02 and MCMW-03, which brought the total amount of product recovered for the site to 7044 gallons.

I reviewed Appendix B – Boring Logs and Appendix C – Monitoring Well Construction Logs and had no comments. Next, I reviewed

Appendix D – Investigation Analytical Data Tables. Here were listed the soil and groundwater analytical results from sampling which had taken place during May 2016. Specifically, the soil sampling took place on 5/6/16, 5/9/16, 5/10/16, 5/13/16 and 5/23/16 to 5/25/16. The VOC concentrations for the soil samples from locations MCSB-01 to MCSB-25 were either entirely non-detect, mostly non-detect or had mostly very low results which did not exceed the CP-51 unrestricted residential standards. Exceptions to this were MCSB-01 (10'-11.5 foot interval) with 4 exceedences to 20 ppm, MCSB-04 (10'-12') with 1 exceedence to 2.5 ppm and MCSB-09 (10'-12'), MCSB-10 (6'-8'), MCSB-11 (6.5'-8.5'), MCSB-12 (7'-9'), MCSB-16 (10'-12'), MCSB-17 (10.5'-12.5') and MCSB-18 (10.5'-12.5') each with 4 low to moderate (0.13 ppm to 76 ppm) VOC exceedences consisting of isopropylbenzene, n-butylbenzene, n-propylbenzene and sec-butylbenzene. MCSB-09 had 4 VOC exceedences which were in addition to those previously mentioned. The SVOC soil results for all of the samples were almost entirely non-detect, except for MCSB-07 (10'-12') and MCSB-15 (6'-7.5').

Groundwater was sampled from MCGP-01 to MCGP-04 on 5/13/16 and from MCMW-01 and MCMW-02 on 6/13/16. The VOC analytical results were mostly non-detect or below the TOGS 1.1.1 standards, except for the VOC results for benzene (2.8 ppb to 15 ppb), isopropylbenzene (12 ppb to 40 ppb), n-butylbenzene (7.2 ppb to 16 ppb), n-propylbenzene (8.5 ppb to 72 ppb) and sec-butylbenzene (6.5 ppb to 25 ppb). Also, MCGP-02 had 130 ppb of naphthalene and MCMW-02 had 24 ppb of naphthalene. The SVOC results were almost entirely non-detect for all of the samples mentioned above, except for 3 low exceedences in the sample from MW-13R.

Samples were analyzed for soil DRO (diesel range organics) on 5/9/16 and 5/25/16. The results were 180 ppm to 20,000 ppm. [Reviewers note: the results indicate the presence of low to moderate contamination under the northeast and southeast sidewalks, but removing it would be difficult due to the utilities just under these areas].

Appendix E – Data Validation Checklist was reviewed. The Organic Analyses were determined to be mostly acceptable in performance with only a small number of unacceptable performances. The exceptions to the acceptable determination were internal standard areas below or above the QC limits for various analytes for a number of soil sample VOCs and SVOCs.

Appendix F – Waste Disposal Documents. I found the documents to be fully signed and, thus, acceptable.

In the Conclusions and Recommendations section, D&B found that the soil contamination had been either immobilized or stabilized. They recommended no further investigating or remediation of the soil and the groundwater. They also stated that the spill is not migrating from the site. As per the above information, staff from D&B asked that the spill case be closed.

10/4/17 – Raphael Ketani. Based upon my review of the case file and the information in the Confirmatory Soil and Groundwater Investigation/Petition for Spill Closure Report, I determined that as much free product had been collected as was feasible, that the great majority of the soil contamination was permanently contained by the solidification and stabilization process, the groundwater contamination was very low and that there was little or no risk of the residual contamination affecting the public or the environment. I wrote a Spill Closure Letter and sent it to Mr. Mathelier for closing spill #8902374, Mother Clara Hale bus depot. I closed the spill case effective 10/4/17.

12/20/17 – Raphael Ketani. Today Mr. DeVinney [MDeVinney@db-eng.com/(516) 364-9890 X 3054] sent me the following email:

As you are aware, D&B is currently in the process of properly decommissioning the monitoring wells at Mother Clara Hale Depot following closure of the open spill number at the site. During the decommissioning process, we identified approximately 1.4' of free-phase petroleum in MCMW-03. All other monitoring wells did not contain any measureable free-phase petroleum. As a result, we halted decommissioning activities at MCMW-03 and would like to setup a conference call with NYSDEC to discuss this issue. Please let us know your availability for a call today and what time would be good for you, and I will distribute call-in

information.

I responded by email and asked what the reason could be for the sudden appearance of so much oil in the well. I suggested illegal dumping of waste oil or a spill from a neighboring building. Next, I suggested a conference call anytime up to 4 PM today and up to 2:30 PM tomorrow. I noted that I would be out all day Friday.

Later, a conference call was held at 2 PM. In attendance were Gregory Mathelier, Construction Administrator at the NYCT, Cadecia Josephs, Geologist at the NYCT and assistant to Mr. Mathelier, Matt DeVinney and Stephen Tauss from Dvirka & Bartilucci, Vadim Brevdo and myself. Mr. DeVinney led the discussion.

He proposed fingerprinting the oil. Mr. Mathelier asked whether the oil looked like the same product that had been seen earlier in the year. Mr. DeVinney stated that they had opened up well MCMW-03 during the summer and had seen the same product. However, he wasn't sure whether this was hydraulic oil from the pocket on the other side of the depot. Mr. DeVinney added that large concrete structures were installed below the depot and that the oil may have traveled across the top of them. The oil sample was already sent to the lab for a 48 hour turnaround analysis. Mr. DeVinney also said that for a long time, the well didn't have product as the recharge was very slow. Mr. Mathelier stated that he wondered whether the spill would need to be opened up again. I responded that Dvirka & Bartilucci should go back to the well in several days and see whether the oil has returned. Mr. DeVinney stated that they could monitor the well every 2 weeks for a couple of months, see whether the oil has returned and collect it by hand pump if it appears. Both Mr. Brevdo and myself stated that this plan of action was acceptable to the Department. With that, the conversation ended.

Map Identification Number 72**CONTAINMENT AREA**

721 LENOX AVE

NEW YORK, NY

Spill Number: 1602684**Close Date: 06/27/2016**

TT-Id: 520A-0318-790

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name:

DEC Investigator: RMOMAR

Spiller: DANIEL – NYC TRANSIT

Notifier Name:

Caller Agency:

Contact for more spill info: DANIEL

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (646) 252-5763

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/16/2016		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
OTHER	OTHER	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

tank failure unknown amount spilled PBS 2-189995

DEC Investigator Remarks:

6/16/2016: Rashad PBS 2-189995. Called Daniel he said tank test was on tank DSL-3A which is a 10,000 gallon diesel tank. There was no discharge and the tank is now out of service. His email is danielyu@nyct.com (send TTL to Francine and cc Daniel).

6/17/2016: Rashad Emailed TTF letter to Francine and uploaded it to D2. 721 Lenox Ave has alternate addresses of 721-735 Esplande Gardens Plaza, 101-165 West 46th Street, and 100-162 West 47th Street. Numerous previous spills exist for depot.

6/27/2016: Rashad Received email from Francine with closure letter. As per the report A petroleum release did not occur from the primary piping of the underground storage tank UST. The cause of the failure was a faulty diaphragm valve. The UST was temporarily taken out of service on June 16, 2016. The line leak detector and diaphragm were replaced on June 20, 2016 and retested on the same date. The test passed and the system was put back into service. Report uploaded to D2. Spill closed as no release occurred and repairs made.

Map Identification Number 73	MOTHER CLARA HALE DEPOT		Spill Number: 1511105	Close Date: 04/25/2016
	721 LENOX AVE	NEW YORK, NY		TT-Id: 520A-0318-789

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name:

DEC Investigator: HRPATEL

Spiller: NYCTA

Notifier Name:

Caller Agency:

Contact for more spill info: RICHARD IYASERE

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: 6462525777

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/18/2016		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	
MOTOR OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	
ANTIFREEZE	OTHER	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

there was 2 tank test failure.

DEC Investigator Remarks:

Obligado – Desk Duty – 2–18–16 – I called Richard Isayere. Left a message to call back the NYSDEC.

Richard Called me back. They are all underground tanks. According to Franklin, the testing company, there was no loss of product, No sign of leak. They will conduct further investigation. Richard said they will conduct more tests tomorrow and will update us upon completion of the tests if any additional tanks failed.

Summary for PBS # 2–189995

3 tanks failed tightness test 1 antifreeze – failed hydrostatic test GEN1 – failed Hydrostatic test DSL–2A – Over fill prevention valve on diesel tank

Assigned to Kumar Patel.

2–24–16 – Obligado – Update from Richard. One additional Motor Oil tank M/O–1A also failed the tightness test. No apparent spill or loss of product to the environment.

03/28/16–Hiralkumar Patel. 1:37 PM:– left message for Richard. 3:33 PM:– received message from Richard.

03/29/16–Hiralkumar Patel. 9:02 AM:– left message for Richard. 3:24 PM:– received message from Richard.

04/20/16–Hiralkumar Patel. 1:47 PM:– left message for Richard. 2:56 PM:– received call from Richard. he asked to contact Josephine Brown. 3:03 PM:– spoke with Ms. Brown and inquired her about tank test failures. she will review record and submit information/documents.

Josephine Brown MTA Ph. (718) 566–3415 email: Josephine.brown@nyct.com

3:22 PM:– sent email to Ms. Brown and asked to submit information about tank size, tank location, cause of failure, repair activities and cleanup of any petroleum discharge. also asked to submit copy of result of subsequent tank system test confirming its integrity.

04/25/16–Hiralkumar Patel. received email from Ms. Brown (at 5:08 PM on 04/21/16) including document confirming cause of failure

and actions taken. – 1,000 gal tank for waste anti-freeze (tank # WANTI-1) failed hydrostatic sump test due to sump seam walls and penetration fitting not being tight. containment sump seams repaired by using a fiberglass made adhesive and penetration boot repaired with by installing a new penetration boot. there was no release to the environment. containment sump passed the integrity test after repairs. – 2,500 gal tank for motor oil (tank # M/O-1A) failed hydrostatic sump test due to sump walls not being tight. repaired by using a fiberglass made adhesive. there was no release to the environment. containment sump passed the integrity test after repairs. – 10,000 gal tank for diesel (tank # DSL-2A) failed overfill prevention inspection due to piece of 2 inch pipe (drop tube) missing on bottom of overfill prevention valve. a section of 2 inch pipe was installed to the bottom of overfill prevention valve. there was no release to the environment.

as per the submitted document, a fourth tank (5,000 gal diesel tank # GEN-1) also failed hydrostatic test due to penetration boots not being tight. there is no information about repairs made on tank # GEN-1.

as per discussion between DEC Andrea and Richard, three underground tanks [1 antifreeze and two diesel tanks (GEN-1 and DSL-2A)] failed test. on 02/24/16, Richard called DEC Andrea and informed him about failure of one more tank (motor oil tank # M/O-1A).

11:51 AM:– sent email to Ms. Brown inquiring about status on 5,000 gal diesel tank (GEN-1).

after discussing with DEC Leszek about 5,000 gal diesel tank system failing hydrostatic test due to penetration boot not being tight, no further investigation needed and case can be closed on available information.

case closed based on available information.

Map Identification Number 74		MOTHER CLARA HALE DEPOT		Spill Number: 0405011		Close Date: 01/10/2005	
		721 LENOX AVE		MANHATTAN, NY		TT-Id: 520A-0100-743	
MAP LOCATION INFORMATION				ADDRESS CHANGE INFORMATION			
Site location mapped by: PARCEL MAPPING (2)				Revised street: 721 MALCOLM X BLVD			
Approximate distance from property: 2402 feet to the WNW				Revised zip code: 10030			
Source of Spill: COMMERCIAL/INDUSTRIAL		Spiller: PASHKO KAMAJ – MOTHER CLARA HILL DEPOT		Spiller Phone: (718) 243-4581			
Notifier Type: Responsible Party		Notifier Name: FRANK OCELLO		Notifier Phone: (718) 243-4581			
Caller Name: PASHKO KAMAJ		Caller Agency: NYC TRANSIT		Caller Phone: (718) 243-4581			
DEC Investigator: MCTIBBE		Contact for more spill info: PASHKO KAMAJ		Contact Person Phone: (718) 243-4581			
Category:	Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.						
Class:	Any Type of RP Including No RP – No DEC Field Response – Corrective Action by Spill Response Not Required						
Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended			
08/06/2004		TANK TEST FAILURE	NO	NO			

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	GROUNDWATER
WASTE OIL/USED OIL	PETROLEUM	0	POUNDS	0	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	1000	Alert Model 1000 plus 1050 (Formerly Gilbarc	0.00	UNKNOWN
1	1000	Alert Model 1000 plus 1050 (Formerly Gilbarc	0.00	UNKNOWN

Caller Remarks:

Precision Test Failure on the waste oil tank. No actual release of material.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE see also 03-00236. Primary tank failed testing. Put air on tank and filled piping sump with water. Bubbles indicated a leaking union. Union was tightened and tank was retested and passed. Sump was tested and passed.

Map Identification Number 75



NYC TRANSIT

146TH ST & LENOX

NEW YORK, NY

Spill Number: 0009127

Close Date: 07/10/2002

TT-Id: 520A-0100-748

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: W 146TH ST / ESPLANADE GARDENS PLZ

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester

Caller Name: RICKY ROUSS

DEC Investigator: MCTIBBE

Spiller: NYC TRANSIT

Notifier Name:

Caller Agency: STATE ENVIORMENTAL

Contact for more spill info: LENNY

Spiller Phone:

Notifier Phone:

Caller Phone: (718) 265-3555

Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
11/07/2000		TANK TEST FAILURE	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
3	10000	Horner EZ Check I or II	0.50	UNKNOWN

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE LEAK IN ABOVEGROUND VENT LINE. NO SPILL. REPAIRED AND RETESTED AND PASSED.

Map Identification Number 76
 **YANKEE STADIUM**
 800 RUPPERT PLACE

BRONX, NY 10451

Spill Number: 9813424

Close Date: 07/18/2013
 TT-Id: 520A-0013-561

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2414 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: 800 RUPPERT PL
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Tank Tester
 Caller Name: TOM GALLINGER
 DEC Investigator: VXBREVDO

Spiller: TOM GALLINGER – YANKEE STADIUM
 Notifier Name: TOM GALLINGER
 Caller Agency: DORSON ENVIRONMENTAL
 Contact for more spill info: TOM GALLINGER

Spiller Phone: (914) 592-3117
 Notifier Phone: (914) 592-3117
 Caller Phone: (914) 592-3117
 Contact Person Phone: (914) 592-3117

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
 Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
02/02/1999		TANK TEST FAILURE	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate		Gross Leak or Failure		
2	15000	Horner EZ Check I or II	0.00		UNKNOWN		

Caller Remarks:

WILL EXCAVATE TOP OF TANK AND RE-TEST

APRIL 8, 1999 LETTER FROM DORSON ENVIRONMENTAL SAYS REPAIRS TO RETURN LINE WILL NOT BE MADE UNTIL FALL 1999. TANK #2 WILL REMAIN OUT OF SERVICE UNTIL THEN.**

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was SANGESLAND DORSON ENVIRONMENTAL TESTED TANKS #1 AND #2 ON 1/20/99

TANK #1 PAST, TANK #2 FAILED (CALLED IN THIS SPILL REPORT)

ON 2/11/99 THE TOP OF TANK #2 WAS OPENED AND THE TANK WAS ISOLATED AND RETESTED AND PASSED. THE FEED AND RETURN LINES TO TANK #2 WERE TESTED INDIVIDUALLY AND THE RETURN LINE FAILED.

TANK #2 WAS TAKEN OUT OF SERVICE AND WILL REMAIN OUT OF SERVICE UNTIL THE RETURN LINE IS REPAIRED IN THE FALL OF 1999.

RECHECK IN FALL 1999

2/8/2000 CALL FROM DORSON ENVIR

SYSTEM TESTED ON 1/20/1999 #2 TANK SYSTEM FAILED

SECOND TEST (2/1/99) SEPARATED TANK AND LINES

TANK #2 PAST, RETURN LINE ON #2 LINE FAILED

TANK #2 (SOUTHERN TANK)

3/1/2000 WILL EXPOSE TOP OF TANK, PULLING OUT ALL PIPING AND INSTALL ALL NEW PIPING

TANK #1 TANK IS OK BUT CONTRACTOR IS GOING TO RIP OUT ALL PIPING AND UPGRADE ALL PIPES ON THIS TANK ALSO

8/22/05 – spoke with Tom Gallinger from Dorson Environmental (914-592-3117). Tank was retested and soil cleaned up. He is sending me info. Left follow message for Tom on 9/6-Tom to fax me something on 9/9. On 9/15, called Tom again since I received nothing. On 9/26, left a message w/secretary.

11/15/05 – sent letter to Tom G, asking for response in 30 days.

12/28/05 – since no response to 11/15/05 letter, spill to remain open.

9/16/06 – called Gorson Environmental. T. Gallinger no longer with company. Someone to get back to me regarding this. Records for case are located off-site. bf

11/8/06 bf: sent ttf letter to: Gabe Ramos NYC Dept. of Parks and Recreation 5-Boro Operation Randalls Island, NY 10035

11/13/06 Spoke to Michael Byrne of LiRo Engineers (718)321-3136 ext. 246. He referred me to Steve Asquith of LiRo Engineers(917)217-4765. He has an office at Yankee Stadium and will be working on the dismantling of the stadium. I told him that the tanks are overdue for tightness testing and in order to close the spill, the tanks need to be tested and pass. He referred me to Ben Kramer of NYC Parks (212)410-8353. I explained the Mr. Kramer about the requirement to have the tanks tested. He was not aware that that was a requirement and did not know how to have test done. I told him a contractor can do it and one can be found in the yellow pages and if he has a problem finding a contractor, to call me back. He said that he would get testing done in order to close out the spill. bf

11/14/06 Spoke to Mr. Kramer from NYC Parks. He told me one tank was closed. He referred me to Steve Asquith who referred me to Martin Wesolowski of LiRo. Phone: (718)321-3136 Fax: (718)321-3422. PBS closure application was not submitted for the closed tank. Faxed application to him. He will reply within next few days. bf

11/17/06 spoke to Mr. Kramer from Parks. Apparently, NY Yankees had had a tank tightness test done in 2006. He will fax the test results to me. bf.

12/1/06 received tank test for tank T-01. Tank passed. Still need to submit tank closure application for tank 002. Called Ben Kramer about this and he said he will check with Steve Asquith to submit the closure application. bf

6/21/07 received message from Martin Lozowlowski, consultant, (718)321-3136 ext. 242. Called him back and told him DEC needs clarification regarding the tank numbers, closure of tank 2, explain the 300 gallon loss noted above, and an application to reline tank 1. bf

3/12/10 Received message from Becky Kinal AKRF(914)922-2362 of AK. Tanks to be pulled at Tuesday. Samples taken on all sides and bottom of tanks every 20 feet. She will check that contractor sent PBS Notification Form. I told her that closure

application muyst indicte both tanks removed since one is already closed in place. bf

2/4/11 Yesterday went to site to confirm Tank 002 is closed. Issued NOV by mail. See PBS file in database. bf

5/11/11 Received request for closure from AKRF. bf

7/8/11 Reviewed report. tanks were removed. Contaminated soil was taken away. All copntaminant levels are below clean-up standards. Two samples show exceedance of TAGM 4046: benzo(a)anthracene [224 ppb vs. 330ppb] and benzo(a)pyrene [61 ppb vs. 85 ppb, 61 ppb vs.290 ppb, 61 ppb vs. 140 ppb, and 61 ppb vs. 97 ppb] Report attributes the exceedances to the site underlain by fill material 17 to 35 feet deep which consists of cinders, brick, concrete, gravel, and asphalt in a matrix of fine coarse sand.

07/16/13 – Spill Case is transferred from Brian Falvey (PBS Unit) to V. Brevdo (Section B) as per DER Region 2 decision – Tank Test Failure Spill Case. VB

07/18/13 – V. Brevdo Reviewed May 11, 2011 Underground Storage Tank (UST) and Spill Closure Report prepared by AKRF. Report review demonstrated that site was properly investigated, tanks removed and contaminated soil associated with the USTs has been successfully remediated. AKRF recommended no further action and requested closure of spill case. Department agrees with conclusions of the report and recommendation of no further action with regard to spill case. Spill is closed effective July 18, 2013. V. Brevdo

07/18/2013 V. Brevdo Sent e-mail to Rebecca Kinal of AKRF with attached copy of spill case closure letter:

July 18, 2013

Dear Ms. Kinal:

Spill Closure Letter for the subject spill case is attached to this e-mail. Spill is closed effective 7/18/2013.

Contact me if you have questions.

Sincerely,

Vadim Brevdo

Map Identification Number 77



YANKEE STADIUM

161 STREET/RIVER AVE

BRONX, NY

Spill Number: 0511070

Close Date: 11/10/2008

TT-Id: 520A-0013-563

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2414 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: E 161ST ST / RIVER AVE

Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: JOE – YANKEE STADIUM	Spiller Phone: (718) 893–3100
Notifier Type: Tank Tester	Notifier Name: KRISTIN CIAZURRI	Notifier Phone: (718) 981–5710
Caller Name: KRISTIN CIAZURRI	Caller Agency: USA ENVIROMENTAL	Caller Phone: (718) 981–5710
DEC Investigator: bkfalvey	Contact for more spill info: JOE	Contact Person Phone: (718) 893–3100

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/21/2005		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

December 23, 2005

A Tank Test Failure Letter was sent to:

(NYC Dept Of Parks 5 Boro Operation Randalls Island New York, NY 10035)

12/29/05–Vought–Left message for Gabe Ramos (NYC Parks 212–410–8916).

05/17/06–Vought–Spill transferred from DEC Vought to DEC Piper as per DEC Austin.

5/19/06– DEC Piper spoke with MArtin W. PM for Liro Engineers. They will be conducting a subsurface investigation via Geoprobe on May 30, 31, 2006. Report will be submitted afterwards.

5/30/06– DEC Piper responded to site to oversee Geoprob ops. Met with Steve Asquith of Liro Eng– 917–217–4765cell. Of the three borings completed, only one location had a hit for fuel oil contamination. Three more borings will be installed by the end of the day. A report will be submitted afterwards.

11/10/08 This spill was transferred to me on 11/8/06 as part of Spill 9813424. This spill will be administratively closed. Refer to Spill 9813424. bf

Map Identification Number 78 **MELROSE-NYCHA**
 304 E 156TH ST

BRONX, NY

Spill Number: 9906432

Close Date: 11/29/2005
 TT-Id: 520A-0010-680

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING – LARGE SITE
 Approximate distance from property: 2434 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: 10451

Source of Spill: PRIVATE DWELLING
 Notifier Type: Tank Tester
 Caller Name: SEBASTIAN LOREFICE
 DEC Investigator: SWKRASZE

Spiller: NYC HOUSING AUTHORITY
 Notifier Name: SEBASTIAN LOREFICE
 Caller Agency: NEW YORK CITY HOUSING AUT
 Contact for more spill info:

Spiller Phone:
 Notifier Phone: (212) 306-3229
 Caller Phone: (212) 306-3229
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/30/1999		TANK TEST FAILURE	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001	23000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

EXCAVATE AND ISOLATE

DEC Investigator Remarks:

11/29/05: This spill transferred from J.Kolleeny to S.Kraszewski.

This spill closed to consolidate with open spill #0207044.

Map Identification Number 79**MELROSE HOUSES**

304 E 156TH ST

BRONX, NY

Spill Number: 9815516**Close Date: 06/02/1999**

TT-Id: 520A-0010-677

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING – LARGE SITE

Approximate distance from property: 2434 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10451

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Responsible Party

Caller Name: SABASTIAN LOREFICE

DEC Investigator: SACCACIO

Spiller: FRANK OCELLO – NYC HOUSING AUTHORITY

Notifier Name: SABASTIAN LOREFICE

Caller Agency: NYC HOUSING

Contact for more spill info:

Spiller Phone: (212) 306-3229

Notifier Phone: (212) 306-3233

Caller Phone: (212) 306-3233

Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
03/30/1999		TANK TEST FAILURE	' -473286'	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	23000	Horner EZ Check I or II	0.00	FAIL

Caller Remarks:

tank test failure

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

6/2/99 –Saccacio– Subsequent tank test failure. Previous tank test failure (9300349) on 4/14/93 closed and (9006284) on 9/7/90 will be reopened. Spill closed 6/2/99.

Map Identification Number 80**MELROSE HOUSES**

304 E 156TH ST

BRONX, NY

Spill Number: 9712621**Close Date: 06/02/1999**

TT-Id: 520A-0010-678

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING – LARGE SITE

Approximate distance from property: 2434 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Affected Persons

Caller Name: SABATIAN LOREFICE

DEC Investigator: SACCACIO

Spiller: FRANK OCELLO – NYC HOUSING AUTHORITY

Notifier Name: SAME

Caller Agency: NYC HOUSING AUTHORITY

Contact for more spill info: FRANK OCELLO

Spiller Phone: (212) 306-3229

Notifier Phone:

Caller Phone: (212) 306-3229

Contact Person Phone: (212) 306-3229

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
02/11/1998		TANK TEST FAILURE	' -473286'	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
2	23500	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TANK FAILED/ISOLATE AND RETEST

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

6/2/99 –Saccacio– Subsequent tank test failure. Previous tank test failure (9300349) on 4/14/93 closed and (9006284) on 9/7/90 will be reopened. Spill closed 6/2/99.

Map Identification Number 81 **MELROSE HOUSES –NYCHA**
 304 E 156TH ST

BRONX, NY

Spill Number: 9311327**Close Date: 01/10/2006**
TT-Id: 520A-0010-679

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING – LARGE SITE
 Approximate distance from property: 2434 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: 10451

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Responsible Party
 Caller Name: PAT NERO
 DEC Investigator: SWKRASZE

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

Spiller Phone: (212) 306-3142
 Notifier Phone:
 Caller Phone: (212) 306-3142
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/20/1993		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

TO EMPTY TANK & CHECK LINES.

DEC Investigator Remarks:

01/10/06: This spill transferred from J.Kolleeny to S.Kraszewski.

This spill closed to consolidate with open spill #0207044. – SK

Map Identification Number 82**MELROSE HOUSES**

304 E 156TH ST

BRONX, NY

Spill Number: 9300349**Close Date: 06/02/1999**

TT-Id: 520A-0010-675

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING – LARGE SITE

Approximate distance from property: 2434 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10451

Source of Spill: NON-MAJOR FACILITY (>1100 GAL)

Notifier Type: Tank Tester

Caller Name: SEBASTIAN LORIFICE

DEC Investigator: SACCACIO

Spiller: NYC HOUSING AUTHORITY

Notifier Name:

Caller Agency: TANK TESTING INC

Contact for more spill info:

Spiller Phone: (212) 306-3142

Notifier Phone:

Caller Phone: (718) 789-3770

Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
04/07/1993		TANK TEST FAILURE	' -473286'	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		Unknown	0.00	UNKNOWN
002		Unknown	0.00	UNKNOWN

Caller Remarks:

TANK # 002 – WILL E/I/R. UPDAT 4/14/93 – TANK # 001 TESTED AND FAILED

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

11/25/94: REASSIGNED FROM SIGONA TO HEALY ON 11/25/94.

TANK # 1

6/2/99 –Saccacio– Subsequent tank test failure. Previous tank test failure (9006284) on 9/7/90 will be reopened. Spill closed 6/2/99.

TANK # 2

6/2/99 –Saccacio– Subsequent tank test failure. Previous tank test failure (9006284) on 9/7/90 will be reopened. Spill closed 6/2/99.

Map Identification Number 83 **MELROSE HOUSES –NYCHA**
 304 E 156TH ST

BRONX, NY

Spill Number: 9006284

Close Date: 11/29/2005
 TT-Id: 520A-0010-673

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING – LARGE SITE
 Approximate distance from property: 2434 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Tank Tester
 Caller Name: ROBERT GANDOLFO
 DEC Investigator: SWKRASZE

Spiller: NYC HOUSING AUTHORITY
 Notifier Name:
 Caller Agency: TANK TESTING, INC
 Contact for more spill info:

Spiller Phone: (212) 306-3142
 Notifier Phone:
 Caller Phone: (718) 789-3770
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
09/07/1990		TANK TEST FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	–1.00	POUNDS	0.00	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		Unknown	0.00	UNKNOWN
002		Unknown	0.00	UNKNOWN

Caller Remarks:

2OK TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK, WILL ISOLATE &

RETEST. SEE SPILL # 9300349

DEC Investigator Remarks:

11/29/05: This spill transferred from J.Kolleeny to S.Kraszewski.

This spill closed to consolidate with open spill #0207044.

Map Identification Number 84 **BROWNS CO COURT HOUSE**
 851 GRAND CONCOURSE

BRONX, NY

Spill Number: 0101258

Close Date: 09/12/2005
 TT-Id: 520A-0007-365

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 2485 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Tank Tester
 Caller Name: RICKY ROUFF
 DEC Investigator: RJCOZZY

Spiller: NASSAR – BROWNS CO COURT HOUSE
 Notifier Name: RICKY ROUFF
 Caller Agency: STATE ENV SERVICES
 Contact for more spill info: NASSAR

Spiller Phone: (212) 897-2674
 Notifier Phone: (718) 265-3355
 Caller Phone: (718) 265-3355
 Contact Person Phone: (212) 897-2674

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),
 contamination of drinking water supplies, or significant release to surface waters.
 Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/02/2001		TANK TEST FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
2	20000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

LEAK IS COMING FROM THE MANHOLE COVER ACCORDING TO TANK TESTER.

DEC Investigator Remarks:

9/12/05 – Cozzy – The contact for the Bronx Co. Court House (Nassar Ahmed) faxed documentation that repairs were made to tank #2 (the tank which failed a leak test). The manhole gasket, nuts and bolts were replaced along with some other piping hardware which enabled this tank to pass the next test. Spill closed.

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

11/30/04 letter sent requesting documentation

Map Identification Number 85



GASETERIA

115 EAST 138TH STREET

BRONX, NY

Spill Number: 0207682

Close Date: 08/06/2013

TT-Id: 520A-0013-276

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2508 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Tank Tester

Caller Name: JEFF BEAUDETTE

DEC Investigator: aaobliga

Spiller: PAULA SKRYJA – GASETERIA

Notifier Name:

Caller Agency: TANKNOLOGY

Contact for more spill info: JEFF BEAUDETTE

Spiller Phone:

Notifier Phone:

Caller Phone: (800) 666-2605

Contact Person Phone: (800) 666-2605

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended

10/24/2002		TANK TEST FAILURE	NO	NO

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

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1-4	4000	VacuTest	0.00	FAIL

Caller Remarks:

PIPING PROBLEM – RECOMMEND UNCOVER ISOLATE AND RETEST

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was VOUGHT DEC Sigona sent a notice regarding the tank test failure on 10/24/2002.

BP PRODUCTS NORTH AMERICA, INC.

SUITE 410, 1 WEST PENNSYLVANIA AVENUE

TOWSON, MD 21204

ATTN: PAULA SKRYJA

see also spill 9408104

10/24/02 Tightness test on tanks/lines and leak detectors – Two regular USTs and two super USTs failed on ullage bubbles. Stage II was not tested because of ullage problems on the tanks. Dispenser #8 taken out of service because it pumps gas into vapor line when pump handle is off.

Reviewed 11/20/02 tank re-test results (received 1/8/03). Retested two regular unleaded and two premium unleaded USTs. All passed. Stage II was not tested because piping system needs to be reconfigured.

12/15/03 Left Paula Skryja voicemail message inquiring about status of site. PBS information shows five unleaded gas USTs were removed.

12/15/03 Spoke with Paula Skryja. Site was taken over from Gaseteria in August 2002. Some repairs were made to risers, no tank problems. Station was temporarily shut down until raze and rebuild. Gaseteria removed tanks 1.5 weeks ago. BP was on-site to oversee tank removal. Station to be back in service March 2004. Paula to forward information regarding initial TTF. (KMF)

12/26/03 Received information from Paula Skryja, BP regulatory assurance specialist. Tanks retested and passed on 11/20/02. Details of UST removal should be obtained from Gaseteria. (KMF)

9/19/05 – Spill transferred from Vought to Obligado

12/5/05 – Obligado – File Review:

Baseline Assessment Report, submitted by Delta, 12/2/05. At time of assessment, site was an active Gaseteria service station with 4 4000 gallon gasoline USTs and 1 4000 gallon diesel USTs, 3 pump islands. Surrounding landuse is commercial. Sensitive receptor show Harlem River 500 ft southwest of site. Closest school is 1400 ft northeast of site. Bedrock located at 8 to 12 ft below ground surface. Water is located in bedrock fractures between 8 and 15 ft bgs. Gw flows to southwest. Five soil borings

conducted on Dec. 20, 2001. Only soil exceedences in one soil boring SB-3 (9-10.2) with 5880 ppb xylenes and 16,100 ppb naphthalene. Total VOCs 81,402 ppb. Three temporary wells installed.

Notable ground water results in ppb: (2/6 and 4/19/02) MW1 – benzene 233, ethylbenzene 539, MTBE 3070 MW2 – benzene 52.3, toluene 48, ethylbenzene 575, xylenes 1810, MTBE 122 MW3 – MTBE 50.2 (8/15/02) MW1 – benzene 205, ethylbenzene 435, MTBE 11000 MW2 – benzene 168, ethylbenzene 203, xylene 84.8 MW3 – MTBE 294

UST Closure Report, submitted by AGS, 12/03. On 11/20/03, 5 4000 gallon tanks excavated, Pump islands, piping, vent lines removed. 5 endpoint soil samples collected. Impacts in only one soil sample, UST – SW Bottom, showing 5200 ppb xylenes. SVOC exceedences as well. One gw sample collected from pit water, showing 6.8 ppb benzene, 27 ppb ethylbenzene, 181 ppb xylenes, 89 ppb toluene. Excavated soil was reused as backfill. Recommends preparation of a Subsurface Investigation Work Plan to investigate and delineate the detected contaminants.

UST Closure Report Addendum, submitted by AGS, 12/03. Letter report documents collection of seven samples below former seven dispensers and collection of 5 samples at various pipin glocations. VOCs impacts were not detected. SVOCs were detected mostly PAHs.

UST Closure Report Addendum No. 2, submitted by AGS, 9/04. Details discovery and abandonment of 3 unregistered and abandoned 550 gallon USTS. PBS registration number 2-191361 assigned on 9/3/04. 425 gallons of non DOT regulated waste liquid was removed from the two tanks. 3 soil samples were collected around the UST. USTs abandoned by filling with concrete slurry. No VOC exceedences detected from soil samples, minor PAH exceedences. Upon completion of the rebuilding activities AGS will prepare a Subsurface Investigation Work Plan to investigate and delineate the detected contaminants.

12/7/05 – Meeting with ASR, Gaseteria, DEC. This site is scheduled for investigation in summer 2006.

9/12/06 – Obligado – Emailed multi-site stipulation agreement to Gaseteria on 9/8/06. Sent original on 9/12/06. Due date for workplan is 4/1/06.

6/1/07 – Obligado – Phone conversation with Steve Muller to discuss schedule. New due date for workplan is 8/1/07.

9/25/07 – Obligado – Spoke to Steve Muller about this site. He requested proposing a workplan to collect samples from tank mat wells to determine if there is ground water contamination. I told him I would not accept this work plan and he must submit a workplan for well installation. He said he would submit the workplan today.

9/26/07 – Obligado – Received the Investigation Work Plan.

10/26/07 – Obligado – Reviewed the Subsurface Investigation Workplan. It proposes installation of 4 monitoring wells, collection of soil and ground water samples for 8260/8270, well survey, and submission of summary report within 60 days. Sent approval email to Steve Muller.

1/30/08 – Obligado – Reviewed Subsurface Investigation Report. 3 monitoring wells were installed. Tank mat wells MWNW and MWSE were also sampled. Soil borings performed above bedrock and samples collected. MWs were installed into bedrock. No VOC impacts in soil above bedrock was above standards, minor SVOC impacts which may be attributable to fill. Ground water impacts in 2 of 5 wells. Tank mat wells MWNW and MWSE were also sampled. Max BTEX is 579 at MW3, 247 at MWSE. The report recommends

monitoring for 2 more quarters. I approved the report but required monitoring for 4 quarters at minimum.

5/20/08 – Obligado – Review 1Q08 monitoring report. BTEX from ND to 272 ug/L. MTBE from ND to 9 ug/L. Will continue monitoring.

12/15/08 – Obligado – Meeting with Gaseteria/ASR/DEC. Gaseteria will submit Closure Petition.

2/2/09 – Obligado – Closure petition submitted.

9/14/09 – Obligado – Sent letter rejecting closure petition. Required soil borings in the vicinity of the tanks to document complete removal of contaminated soil, continued sampling of ground water for at least 2 more quarters.

3/12/10 – Obligado – JCB submitted a work plan to install 2 borings and collect soil and ground water samples in the vicinity of ht eUSTs to document contaminated soil removal. I sent an approval letter to JCB via email. I report will be submitted within 90 days.

4/7/11 – Obligado – I reviewed the RIR report. Soil contamination found in soil boring SB4 adjacent to MWSE. GW samples were collected and BTEX in SB4 was 287 ug/l. During the most recent monitoring event, elevated ground water concentrations detected in MWSE. BTEX was detected at 1591 ug/L in MWSE, including 560 ug/L Benzene. Concentrations in this well have been steadily increasing throughout 2010. I emailed Steve Muller to request the most recent data.

8/7/13 – Obligado – I reviewed the 1st Quarter 2013 report. Maximum BTEX concentrations are 51 ug/L. The report requests closures due to minimal exceeences. Concentrations have been consistently decreasing. This spill no longer appears to be a threat to human health and the environment. This spill is closed. Spill Closure Letter sent to Porcelli.

Map Identification Number 86
 **120-128 WEST 145TH STREET**
120-128 WEST 145TH STREET

MANHATTAN, NY

Spill Number: 9210186

Close Date: 07/22/1994
TT-Id: 520A-0093-708

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2583 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY
Notifier Type: Tank Tester
Caller Name: WILLIAM KLEIN
DEC Investigator: O'DOWD

Spiller:
Notifier Name:
Caller Agency: FRANKLIN CO.
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 762-5200
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
12/02/1992	07/22/1994	TANK TEST FAILURE	UNKNOWN		NO		
Material Spilled	Material Class		Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM		-1.00	UNKNOWN	0.00	UNKNOWN	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

2X4K AND 1X2K-MANIFOLDED-NO ACTION YET-WILL EIR TOMORROW

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

Map Identification Number 87 **120-128 W.145TH ST**
 120-128 W.145TH ST

NEW YORK CITY, NY

Spill Number: 8606425

Close Date: 08/21/1987
 TT-Id: 520A-0093-706

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 2583 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY
 Notifier Type: Tank Tester
 Caller Name:
 DEC Investigator: UNASSIGNED

Spiller: MERIT SERVICE
 Notifier Name:
 Caller Agency:
 Contact for more spill info:

Spiller Phone: (212) 283-9354
 Notifier Phone:
 Caller Phone:
 Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
01/13/1987	08/21/1987	TANK TEST FAILURE	UNKNOWN		NO		
Material Spilled	Material Class		Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM		0	GALLONS	0	GALLONS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

4K AND 2K UNDERGROUND TANK SYSTEM PREMIUM NO LEAD WOULD NOT HOLD IN STANDPIPE.2K AND TWO 4K UNDERGROUND TANK SYSTEM.SEE HISTORY

DEC Investigator Remarks:

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

10/10/95: This is additional information about material spilled from the translation of the old spill file: UNKNOWN AMOUNT.

Map Identification Number 88



PATTERSON HOUSES -NYCHA

301 EAST 143RD STREET

BRONX, NY

Spill Number: 9504190

Close Date: 12/02/2005

TT-Id: 520A-0012-083

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2594 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 10451

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Tank Tester

Caller Name: PAUL GOLDSTEIN

DEC Investigator: SWKRASZE

Spiller: NYC HOUSING AUTHORITY

Notifier Name:

Caller Agency: NYC HOUSING AUTHORITY

Contact for more spill info:

Spiller Phone: (212) 306-3142

Notifier Phone:

Caller Phone: (212) 306-3233

Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/07/1995		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
002		Unknown	0.00	UNKNOWN

Caller Remarks:

TANK #2 – GROSS FAILURE

DEC Investigator Remarks:

12/02/05: This spill transferred from J.Kolleeny to S.Kraszewski.

This spill closed to consolidate with open spill #0506695.

Map Identification Number 89



RESIDENTIAL

2300 5TH AVE

NEW YORK, NY

Spill Number: 1408973

Close Date: 02/20/2015

TT-Id: 520A-0303-443

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2638 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Tank Tester

Caller Name:

DEC Investigator: vszhune

Spiller: CHRIS STEELE – UNKNOWN

Notifier Name:

Caller Agency:

Contact for more spill info: CHRIS STEELE

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (718) 624-4842

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/04/2014		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

tank failure, unk pbs #

DEC Investigator Remarks:

12/4/14– Spoke to Ray Lara from PTC. He said they cleaned and emptied he tank. They tested the tank and failed. They are going to perform the isolation test.

2/20/15–Mark Salamack from PTC sent an email dated 2/9/15 with the following information. The one on Lenox Avenue and the one on 5th Avenue are both in the same complex called the Savoy...whose main address is 45 West 139th Street in Manhattan...these are both above ground tanks that were tested when they went from #6 oil to #2 oil...both had a problem with the way an electronic gauge was connected on top of each tank...there was no contamination or spilled oil in either case...they have both been retested and passed the tightness tests...as we have not been paid yet for the job we have not sent anything to you to get the spill #s closed. Based on the information that the gauge was repaired, there was no contamination or spill in this site and the tank system was retested and past the test this spill is closed


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

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

Map Identification Number 90
TM625

GERARD AV / E 150TH ST

BRONX, NY

Spill Number: 9909034
Close Date: 02/22/2002

TT-Id: 520A-0010-607

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 213 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name: STEVE ROMERO

DEC Investigator: CAENGELH

Spiller: CON EDISON

Notifier Name: TRAYNOR

Caller Agency: CON EDISON

Contact for more spill info:

Spiller Phone:

Notifier Phone: (212) 580-6763

Caller Phone: (212) 580-6763

Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/25/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
TRANSMISSION FLUID	PETROLEUM	20.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

OIL IS IN THE SUMP – UNK IF IT DISCHARGED ANYWHERE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was ENGELHARDT FAXED TO ECS.

Spoke to Andrea Johnson of Con Ed. 130 gallons believed to have escaped based on inventory of remains of unit and amount in vault.

Map Identification Number 91 **221625; GERARD AVENUE**
 GERARD AVENUE

BRONX, NY

Spill Number: 1009116

Close Date: 06/27/2010
 TT-Id: 520A-0265-642

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 213 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: GERARD AV / E 150TH ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: DMPOKRZY

Spiller: ERT DESK – CON EDISON

Notifier Name:

Caller Agency:

Contact for more spill info: ERT DESK

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/25/2010		UNKNOWN		

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	UTILITY

Caller Remarks:

Street Address = Gerard Avenue & East 150 Street Spill Volume = 1 Unit of Measure = Pint Substance Name = Unknown Oil Cause

Reason = Unknown Status Reason = Agency Approval Not Required

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

Map Identification Number 92 **208501; WALTON AVE & E150 ST**
 WALTON AVE & E150 ST
 sec Walton Ave & E150 St

BRONX, NY

Spill Number: 0890266**Close Date: 10/29/2007**
TT-Id: 520A-0214-689

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 274 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: WALTON AVE / E 150TH ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: Unassigned

Spiller: ERT DESK - CON EDISON

Notifier Name:

Caller Agency:

Contact for more spill info: ERT DESK

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended

10/15/2007		UNKNOWN		

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0.05	GALLONS	0.00	GALLONS	UTILITY

Caller Remarks:

MH9505 6 oz of unknown oil on 50 gallons of water Closed: Agency Approval Not Required

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

Map Identification Number 93 **214322; WALTON AVE & E150 ST**
 WALTON AVE & E150 ST

NEW YORK, NY

Spill Number: 0814560**Close Date: 10/31/2008**
TT-Id: 520A-0248-118

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 274 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: WALTON AVE / E 150TH ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: ERT DESK – CON EDISON	Spiller Phone:
Notifier Type: Responsible Party	Notifier Name:	Notifier Phone:
Caller Name:	Caller Agency:	Caller Phone:
DEC Investigator: DMPOKRZY	Contact for more spill info: ERT DESK	Contact Person Phone: (212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/24/2008		UNKNOWN		

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	UTILITY

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

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

Map Identification Number 94 **MANHATTAN WEST 09 DOS –DDC**
 125 EAST 149TH STREET

BRONX, NY 10451

Spill Number: 9910856

Close Date: 09/12/2008
 TT-Id: 520A-0008-950

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 367 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: NYC DEPT OF SANITATION	Spiller Phone:
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name: BILL DEBLASI	Caller Agency: TYREE ENVIRONMENTAL	Caller Phone: (516) 249-3150
DEC Investigator: ADZHITOM	Contact for more spill info:	Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/13/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

called in for site assessment on closed tanks and found contaminated soil and groundwater, poss sewer.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was KOLLEENY FUEL OIL UST WAS CLOSED IN PLACE BY TYREE, LATER THEY DID 4 CLOSURE BORINGS, 3 TO 10 FEET (REFUSAL), 1 TO GROUNDWATER AT 16 FEET. BORING TO GW FOUND SOIL CONTAM. AND GW CONTAM, INCLUDING FLOATING PRODUCT. KOLLEENY ASKED TYREE TO FORWARD CLOSURE RPT. WHEN AVAILABLE; ALSO CONTACTED LIRO-KASSNER, DDC'S CONSTRUCTION MGR. FOR SITE, AND REQUESTED EXPEDITED INVEST. OF SITE AND INCLUSION OF HEATING OIL TANK.

8-22-2005 Reviewed a Monitoring Report dated July 29, 2005. The report presented remedial system performance and groundwater monitoring data. In the report LiRo proposed to modify the current groundwater sampling schedule. Also, LiRo recommended completing proposed soil borings LBR-9 and LBR-10 with shallow screens to allow them to serve as pressure monitoring points in order to better evaluate system performance. The Department concurred with these proposals.AZ

7/5/2006 Reviewed a Monitoring Report for the remedial system dated April 21, 2006. The site was formerly managed by Jonathan Kolleeny (NYSDEC). The report presents remedial system performance monitoring data. Groundwater samples were collected from monitoring wells MW-2, MW-6 and MW-10 on March 1, 2006. TVOCs in MW-6 is 139 ppb which is the highest number observed in this well. The numbers are on the clear upward trend in this well. MW-10 - TVOCs - 91 ppb, MW- 2 - TVOCs - 91 ppb - upward trend. AZ

11-20-2006 AZ reviewed a Monitoring Report for the remedial system dated August 9, 2006. URS proposed to advance a confirmation soil boring SB-5 near MW-04, LBR-02 and PM-01. DEC concurred with proposal. In a conversation with Jane Staten (URS)on 11/8/2006 I discussed the necessity of additional of the fuel oil spill. URS will send their people and will try to locate the source of this spill. AZ

12-18-2006 Reviewed a Monitoring Report for the remedial system dated August 10, 2006. MPE is operated at the site. The vacuum measurements ranged from 0 (MW-07) to 3.1 The closest extraction well to MW-07 has been shut off. Total VOCs and naphthalene ranged from 1 ppb to 56 ppb in MW-02. Low volumes of gw were extracted and treated during this monitoring period. URS has instructed Franklin to adjust the drop tubes in an effort to extract more groundwater. AZ

1-9-2007 Reviewed a Monitoring Report July through October 2006 for the remedial system dated November 14, 2006. MPE is operated at the site. Flowmeter broke at the end of September. It was not fixed; therefore, the total amount of gallons treated is unknown. Vacuum readings in MW-14 is 0 on 3 occasions. GW results - 65 ppb of total VOC in MW-02. AZ

1/23/2007 At the meeting with DDC/URS on January 10, 2007, the site was discussed. The firm, ATC Associates, will be taking over operation of Manhattan West 9. DEC requested that URS will analyze and improve performance of MW-14. AZ

7-6-2007 Reviewed a Monitoring Report for the remedial system for the period of November 2006 through January 2007 and dated

February 15, 2007. MPE is operated at the site. The MPE flowmeter continues to malfunction and requires replacement, but ATC will replace the flowmeter at this time. According to the report, only monitoring well MW-02 is exhibiting contaminant concentrations above DEC GW Quality Criteria. The minor exceedances in MW-02 are too low for remedial treatment. On December 2007 URS advanced two soil borings. The analytical results showed VOC exceedances of TAGM #4046 in each soil sample. Total VOCs ranged from 403,400 to 446,260 ppb. Based on the latest sampling results URS will operate MPE system using only extraction well EW-09. Also, drop tubes will be raised to 5' above GWT to focus on vadose zone contamination. If MPE modifications are not effective, URS will excavate any remaining vadose zone soil contamination. AZ

11-30-2007 11/30/2007 I have reviewed System Performance Monitoring Report for the period April through August 2007. An e-mail was sent to DDC/URS/V. Brevdo: ...URS will sample all monitoring wells during the next quarterly groundwater event. Also, URS will advance a soil boring near the location of boring SB-05. URS requested NYSDEC permission to shut down the MPE system while samples are collected. This recommendation is rejected. Neither soil sampling results of the previous sampling round nor a figure with estimated extent of soil contamination were included in the report. Soil sampling data should be included in proposals for future borings and/or proposals for the system shutdown. Soil sampling performed in December 2006 showed total VOC contamination in a range of 400,000 ppb. These high levels of soil contamination justify continuing operation of the MPE system. AZ

6-5-2008 An e-mail was sent to DDC/URS/V.B.: There is a spill #9910856 which was issued for this location and associated with the #2 fuel oil tank. This tank should be identified and the spill addressed. AZ

6/9/08. Address was corrected from 99 East 149 to 125 East 149th to match PBS registration. JMK.

6-11--2008 I updated Jane Staten on the DEC Spill Records. According to the spill records h#2 fuel oil tank was closed in place and closure borings confirmed soil and groundwater contamination. DEC requested investigation/remediation of the heating oil tank. Information regarding investigation/remediation of the heating oil tank has yet to be submitted to DEC. According to Jane Staten (URS), the tank information and the site plan do not match 125 East 149th Street address. They will investigate and report their findings to DEC. AZ

9-12-2008 Reviewed URS report dated June 12, 2008. The report summarized existing information regarding spill #9910856 associated with the #2 fuel oil tank. In investigation Summary and Remedial Plan (ISRP) Addendum 2, dated May 2, 2008, LiRo addressed the issue of the 2,000-gallon heating oil tank closed in-place in December 1999. Closure soil samples were collected on December 13, 1999. LiRo considered the closure data during the design of the MPE system and placed extraction well EW-03 adjacent to TB-02, the only contaminated tank closure sample. The analytical data for LBR-03 was clean, which demonstrated that the soil in the area had been remediated. Since this spill was addressed by the MPE remediation system URS recommended that spill #9910856 be closed. I concurred with this proposal and based on the above information closed this spill. An e-mail was sent to DDC/URS/V. Brevdo. AZ

Map Identification Number 95**SPILL NUMBER 0406130**

CEDAR LANE/EAST 151 ST

BRONX, NY

Spill Number: 0406130**Close Date: 09/07/2004**

TT-Id: 520A-0010-594

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 399 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: CEDAR LN / E 151ST ST

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN

Notifier Type: Other

Caller Name: SEAN DONOHUE

DEC Investigator: SMSANGES

Spiller: SONYA BARBOSA

Notifier Name: SEAN DONOHUE

Caller Agency: NY DEP

Contact for more spill info: SONYA BARBOSA

Spiller Phone: (718) 213-9643

Notifier Phone: (212) 689-1520

Caller Phone: (212) 689-1520

Contact Person Phone: (718) 213-9643

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
09/03/2004		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM		PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

a block long oil spill in the street.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was SANGESLAND 9/3/2004 NYC Sanitation was called to sand the area.

Map Identification Number 96**ARIANE AUTO REPAIR GENERAL MECHANIC SERVICES**

572 WALTON AVE

BRONX, NY

Spill Number: 1811083**Close Date: 03/06/2019**

TT-Id: 520A-0349-210

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 433 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: VICTOR GRESSEAU – ARIANE AUTO REPAIR	Spiller Phone:
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name:	Caller Agency:	Caller Phone:
DEC Investigator: VSZHUNE	Contact for more spill info: VICTOR GRESSEAU	Contact Person Phone: (917) 769-4005

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/03/2019		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
TRANSMISSION FLUID	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

caller was directed to this business by a neighbor of business. caller observed heavy staining of the sidewalk with what is believed to be transmission fluid. caller has original complainant info.

DEC Investigator Remarks:

02/03/19–Hiralkumar Patel. 4:34 PM:– spoke with Victor at DEP. they received complaint through 311. Victor visited site and noted stained sidewalk only in front of the business, which is closed at this time. no free product noted on sidewalk or street.
 4:40 PM:– sent email to DEC Zhune including pics received from Victor. asked her to check site tomorrow morning.

case assigned to DEC Zhune

Owner/Managers name is Gabriel Ayala Phone number is 917 318 7369

3/6/19–Zhune inspected the site. No visual and olfactory signs of oil contamination were observed at this site. Spill Closed.

Map Identification Number 97**MOBIL**

611 GRAND CONCOURSE

BRONX, NY

Spill Number: 8902416

Close Date: 06/08/1989

TT-Id: 520A-0007-940

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 457 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY
 Notifier Type: Responsible Party
 Caller Name: SHEILA HARPER
 DEC Investigator: TAYLOR

Spiller: NONE
 Notifier Name:
 Caller Agency: MOBIL
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (703) 849-5384
 Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/08/1989	06/08/1989	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

SOIL STOCKPILED ON SITE – NO CONTAMINATION DETECTED.

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

Map Identification Number 98
 **MOBIL GAS 12971(17-KTA)**
 611 GRAND CONCOURSE

BRONX, NY

Spill Number: 0912104

Close Date: 11/03/2010
 TT-Id: 520A-0248-006

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 457 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY
 Notifier Type: Other
 Caller Name:
 DEC Investigator: SFRAHMAN

Spiller: MOBIL GAS 12971(17-KTA)
 Notifier Name:
 Caller Agency:
 Contact for more spill info: KEVIN BRADLEY

Spiller Phone:
 Notifier Phone:
 Caller Phone:
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/18/2010		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

soil test results

DEC Investigator Remarks:

Report in edocs. 09/24/10–Farrell–Report review requested by S. Rahman.

Spill closure request for Spill #09–12104 by (Kleinfelder East, Inc.–Joel Adrian/Alex Wirth–(845)–567–6530) June 18, 2010

SAR prepared by (Groundwater & Environmental Service, Inc.–Kelly McBride/Kevin Bradley–(866)–839–5195) March 22, 2010 for ExxonMobil Environmental Services Company, Fairfax, VA.

Location of interest: ExxonMobil Station No.12971 (17–KTA) 611 Grand Concourse Bronx, NY

GES (listed above) evaluated recognized environmental conditions (REC) conducted in 12/08 by Kleinfelder East, Inc. Property consists of a retail petroleum filling station. Grand Concourse followed further by commercial buildings and Cardinal Hayes High School (east), 151st Street with a McDonalds beyond (south), multi-family residential housing (west), & railroad tracks followed by a New York City Park (north). Ground surface elevation is about 101' above sea level, groundwater found at depths of 11.72–38.90' bgs, northeast flow determined. Four (4) tank field observation wells are monitoring points at the corners of the tank field.

KEI (above) reported no public water–supply wells on the property or adjoining properties & no private potable within 1,000 ft of the property. REC's include (5) current 4,000 gal gasoline USTs with piping and dispensing units. The property was also found to be potentially down gradient of other known spills.

Three (3) previous spill cases: NYSDEC #8902680 (contamination found during UST excavation) ~ opened 6/5/89 ~ closed 3/21/91 (400 cu yds of soil removed), NYSDEC #8902416 (presence of stockpiled soil; no contamination found) ~ opened 6/8/89 ~ closed 6/8/89, NYSDEC #9209173 (indication of leaks at all probe sites from UST alarm system) ~ opened 11/6/92 ~ closed 3/22/95.

GES began Phase II ESA on 12/2/09 with site–wide GPR survey. Three (3) monitoring wells were installed; soil & groundwater samples were taken and analyzed. Results of soil sample analysis included:

SVOC detect above NYSDEC TAGM: Benzo(a)pyrene ~ in MW–1 (.165ppm), in MW–3 (.106ppm), & in MW–4 (.0706ppm) Lead & Chromium detect

On 1/4/2010 groundwater samples were collected and analyzed, no free–phase product was observed. Three of four field tank observation wells (TF–1 ~ TF–3) were gauged on 1/4/2010. The wells were dry with no presence of LPH. Results of groundwater sample analysis included: VOC detect in MW–4: Benzene(23.1ppb) VOC detect in MW–1: MTBE (44.5ppb) SVOC detect in MW–1:

Benzo(b)fluoranthene (4.0ppb)

11/03/10 Residual contamination slightly above the limit. Case can be closed. (sr)

Map Identification Number 99**MANHATTAN WEST 09 DOS -DDC**

99 EAST 149TH ST

BRONX, NY

Spill Number: 9513870**Close Date: 10/13/2011**

TT-Id: 520A-0008-453

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 475 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN

Notifier Type: Other

Caller Name: SUSAN HECKEL

DEC Investigator: ADZHITOM

Spiller: PETER CASLER - NYC SANITATION DEPT

Notifier Name: SUSAN HECKEL

Caller Agency: PAULUS SOKOLOWSKI SARTOR

Contact for more spill info: PETER CASLER

Spiller Phone: (212) 703-3700

Notifier Phone: (908) 560-9700

Caller Phone: (908) 560-9700

Contact Person Phone: (212) 703-3700

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/31/1996		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
MTBE (METHYL-TERT-BUTYL ETHER)	HAZARDOUS MATERIAL	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

under ground tanks with unk petroleum or waste oil have caused soil to be contaminated--still under investigation

DEC Investigator Remarks:

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

LiRo installed and is currently operating a multi-phase extraction system to address soil and groundwater contamination and recover free product. Product in some wells may be from off-site source (?), there's a nearby gas station and it's possible that some product in wells at the gas station may be coming from Manhattan 9. See Kerry Foley for details.

Kolleeny approved boring locations for LiRo's semi-annual soil monitoring on October 26, 2004.

This site transferred from Kolleeny to A. Zhitomirsky on 4/15/05. – JK

4/20/2005 AZ reviewed a Monitoring Report for the remedial system dated January 28, 2005. The site was formerly managed by Jonathan Kolleeny (NYSDEC). The report presents remedial system performance monitoring data. The report states that based on the site monitoring data, the MPE system is effectively treating contamination. Induced vacuum measurements from monitoring wells MW-3, MW-4 and MW-14 were observed to be below desirable levels. Vacuum should be increased in these wells. LiRo has proposed to shut down extraction wells EW-1, EW-3 and EW-5 since analytical data indicate that no apparent VOC contamination persists in that portion of the site. The Department concurred with this proposal. AZ

6-7-2005 AZ reviewed a Monitoring Report received on May 3, 2005. The report presented remedial system performance and groundwater monitoring data. The report stated that based on the site monitoring data, the MPE system is effectively treating contamination. In the report LiRo proposed to shut down extraction wells EW-1 through EW-6, EW-13 and EW-14, since soil and groundwater data indicate that no apparent VOC contamination persists away from the Gerard Avenue sidewalk portion of the site. The Department concurred with shutting down EW-1, EW-2, EW-3, and EW-13. The other extraction wells should continue to operate to address the remaining soil and groundwater contamination. However, the induced vacuum measurements from monitoring wells along Gerard Avenue were observed to be below desirable levels. The vacuum in nearby extraction wells should be increased to improve the induced vacuum in these monitoring wells. AZ

8-22-2005 Reviewed a Monitoring Report dated July 29, 2005. The report presented remedial system performance and groundwater monitoring data. In the report LiRo proposed to modify the current groundwater sampling schedule. Also, LiRo recommended completing proposed soil borings LBR-9 and LBR-10 with shallow screens to allow them to serve as pressure monitoring points in order to better evaluate system performance. The Department concurred with these proposals. AZ

1-3-2006 Reviewed a Monitoring Report dated November 30, 2005. The report presents remedial system performance and groundwater monitoring data. The report states that elevated VOC concentrations persist in the area of PM-1. Naphthalene was also observed to exceed NYSDEC guidance value at PM-1. Results of recent groundwater sampling indicate that MW-10 continue to exceed 100 ppb total VOCs. In the report LiRo proposes to shut down several extraction wells. The Department concurred with shutting down wells EW-4, EW-6 and EW-14. The remainder of extraction wells should continue to operate to address the remaining soil and groundwater contamination. AZ

4-10-2006 Reviewed a Monitoring Report dated February 27, 2006. LiRo recommended continued operation of extraction wells EW-8, 9 and 10 to continue remediation of the soil contamination recently observed at LBR-9/PM-1. AZ

7/5/2006 Reviewed a Monitoring Report for the remedial system dated April 21, 2006. The site was formerly managed by Jonathan Kolleeny (NYSDEC). The report presents remedial system performance monitoring data. Groundwater samples were collected from monitoring wells MW-2, MW-6 and MW-10 on March 1, 2006. TVOCs in MW-6 is 139 ppb which is the highest number observed in this well. The numbers are on the clear upward trend in this well. MW-10 – TVOCs – 91 ppb, MW- 2 – TVOCs – 91 ppb – upward trend. AZ

11-20-2006 Reviewed a Monitoring Report for the remedial system dated August 9, 2006. URS proposed to advance a confirmation soil boring SB-5 near MW-04, LBR-02 and PM-01. I called J. Staten (URS) and concurred with this proposal. E-mail with the approval for the soil sampling plan was sent to Jane Staten (URS). AZ

12-18-2006 Reviewed a Monitoring Report for the remedial system dated August 10, 2006. MPE is operated at the site. The vacuum measurements ranged from 0 (MW-07) to 3.1. The closest extraction well to MW-07 has been shut off. Total VOCs and naphthalene ranged from 1 ppb to 56 ppb in MW-02. Low volumes of gw were extracted and treated during this monitoring period. URS has instructed Franklin to adjust the drop tubes in an effort to extract more groundwater. AZ

1-9-2007 Reviewed a Monitoring Report July through October 2006 for the remedial system dated November 14, 2006. MPE is operated at the site. Flowmeter broke at the end of September. It was not fixed; therefore, the total amount of gallons treated is unknown. Vacuum readings in MW-14 is 0 on 3 occasions. GW results - 65 ppb of total VOC in MW-02. AZ

1/23/2007 At the meeting with DDC/URS on January 10, 2007, the site was discussed. The firm, ATC Associates, will be taking over operation of Manhattan West 9. DEC requested that URS will analyze and improve performance of MW-14. AZ

7-6-2007 Reviewed a Monitoring Report for the remedial system for the period of November 2006 through January 2007 and dated February 15, 2007. MPE is operated at the site. The MPE flowmeter continues to malfunction and requires replacement, but ATC will replace the flowmeter at this time. According to the report, only monitoring well MW-02 is exhibiting contaminant concentrations above DEC GW Quality Criteria. The minor exceedances in MW-02 are too low for remedial treatment. On December 2006 URS advanced two soil borings. The analytical results showed VOC exceedances of TAGM #4046 in each soil sample. Total VOCs ranged from 403,400 to 446,260 ppb. Based on the latest sampling results URS will operate MPE system using only extraction well EW-09. Also, drop tubes will be raised to 5' above GWT to focus on vadose zone contamination. If MPE modifications are not effective, URS will excavate any remaining vadose zone soil contamination. AZ

11/30/2007 I have reviewed System Performance Monitoring Report for the period April through August 2007. An e-mail was sent to DDC/URS/V. Brevdo: ...URS will sample all monitoring wells during the next quarterly groundwater event. Also, URS will advance a soil boring near the location of boring SB-05. URS requested NYSDEC permission to shut down the MPE system while samples are collected. This recommendation is rejected. Neither soil sampling results of the previous sampling round nor a figure with estimated extent of soil contamination were included in the report. Soil sampling data should be included in proposals for future borings and/or proposals for the system shutdown. Soil sampling performed in December 2006 showed total VOC contamination in a range of 400, 000 ppb. These high levels of soil contamination justify continuing operation of the MPE system. AZ

6-5-2008 An e-mail sent to Jane Staten: I have reviewed the System Performance Monitoring Report and Confirmation Soil Sampling results for the above site. I have a few questions/comments: 1. It seems that the contaminated interval is soil is between 5' and 7' in the area of MW-04. However, you proposing excavation to the depth of five feet. I suggest performing the excavation to the depth of seven feet underground structures and utilities allowing. Also, the area near soil borings B-3.5, LBR-4 and well MW-10 is not covered by your excavation plan. What are your suggestions for this area? Could you submit to DEC soil plume map so we can decide on the extent of the excavation or other soil remediation strategy? AZ

7-18-2008 An e-mail was sent to URS: DEC concurs to the removal of the MPE system under the condition that the remaining contaminated soil be removed via excavation and end-point samples will be taken to confirm complete removal of the contamination. Also, a soil plume map showing historical contaminant concentrations throughout the site should be included in the post excavation remedial report. AZ

9-12-2008 I contacted Jane Staten. She advised me that URS is preparing documentation for soil excavation. They received DEC approval for excavation. AZ

1-5-2009 Reviewed a Monitoring Report through the 3rd Quarter 2008 and dated October 2, 2008. MPE system was operating since April 2004. Currently MPE system is being removed. On July 28 and 29, 2008, URS sampled groundwater monitoring wells. Total VOCs concentrations ranged from non detect to 80 ppb. DEC approved hot spot excavation on September 12, 2008. According to the report, URS is currently preparing the bid documents for the excavation work. Due to the low contaminant concentrations in groundwater, DEC suggests decreasing frequency of groundwater sampling from quarterly to semi-annual. An e-mail was sent to DDC/URS/V.Brevdo. AZ

3-3-2009 An e-mail was sent to J. Staten (URS): It seems that monitoring well MW-16 should be decommissioned. If the floor of the garage is covered in oily sludge then a new spill should be called in by the City or URS. Hot spot excavation should be performed as planned. Full round of groundwater sampling should be performed before petitioning for the spill closure. A temporary well (groundwater sampling point) might be installed at the location of MW-16 (which exhibited 83 ppb of the total VOC). AZ

4-23-2009 An e-mail was sent to J. Staten (URS): I have reviewed a Monitoring Report for this site for the 4th Quarter of 2008. The report stated that monitoring well MW-10 will be removed from the monitoring list because no components exceeded the quality criteria. However, downgradient wells should be monitored regardless of the contaminants presence. Since this site has groundwater flowing in northern and western directions, at least one downgradient well should be monitored in each direction. MW-10 should be monitored. Also, one downgradient well should be monitored at the western edge of the plume. AZ

9-10-2009 An e-mail was sent to J. Staten (URS): I have reviewed report for the above site. The report stated that well MW-16 was decommissioned because URS observed that it was filled to the top of the riser with dirt and water. This well consistently showed elevated reading for VOCs. This well should be re-installed. Also, a well downgradient from the contaminated wells should be monitored. URS should add a downgradient well to their monitoring schedule. AZ

9-14-09 Based on the latest URS's submissions (report for the 2nd quarter 2009 dated June 10-2009) and on a correspondence from J. Staten, downgradient wells were sampled. MW-16 was sampled over 8-year period. Over this time, well MW-16 did not exhibit compounds above Groundwater Quality Criteria until a minor exceedance occurred in December 2007. Subsequent samples collected in 2008 also showed a couple of compounds above Groundwater Quality Criteria, but the concentrations were not significant (total VOC concentration under 100 ppb). AZ

12-1-09 An e-mail was sent to Jane Staten/Afsar Samani/Marcy Abzagh/Vadim Brevdo: Dear Jane, I have reviewed Summary of the Excavation Activities and Request for Spill Closure for the above site dated August 19, 2009. Also, I'm in receipt of your e-mail dated Nov. 20, 2009. The e-mail stated that the City, through DCAS, is involved with the owner of the Manhattan West 9 Garage (a private party) in an extensive renovation of that building. DDC stated that the planned renovation work is imminent and includes partial replacement of the Garage floor slab which will destroy the monitoring wells inside the garage. The hot spot excavation found that no VOCs or SVOCs were detected in any soil samples. The results of the excavation are approved. Please make sure that grab samples are taken when performing any soil sampling. Composite samples could be taken only in addition to grab samples.

Groundwater samples were collected from 19 wells. No groundwater samples were taken from wells MW-15 and MW-16 because they were destroyed. The latest site-wide groundwater sampling results showed that MW-06 had exceedances of VOCs. Also, the latest available results from MW-16, which is destroyed, showed that it had VOCs exceedances. Groundwater natural attenuation is being used at this site as a remedial strategy for groundwater. Since the groundwater wells will be destroyed at this facility during floor slab replacement and the City would like to close this spill, I request that soil sampling should be performed while doing garage floor replacement. Special attention should be given to the area where MW-06 and MW-16 are located. These activities

should be coordinated between DCAS and NYCDDC. Environmental consultant should be present at the time of the excavation and perform soil sampling. If signs of contaminated soil/groundwater are observed during the excavation, A NEW SPILL SHOULD BE CALLED IN TO NYSDEC HOTLINE. If contaminated soil is discovered it should be removed to the extent possible, end point samples taken and activities immediately reported to NYSDEC. AZ

3-5-2010 Discussed with Jane Staten sampling plan for MW-9 site. She asked for directions for locations of soil sampling points. If utilities, underground structures and the scope of future work allow, samples should be taken in the area of MW-06, MW-16, diesel dispenser, 550 gal gasoline UST (removed), 4,000 gal diesel UST (removed), 4,000 gal diesel UST, 550 hoist oil, 550 kerosene, 550 motor oil and 550 gasoline USTs (abandoned in place). About 23 samples will be taken. AZ

8-3-2010 An e-mail was sent to H. Roberts: Harvey, Request regarding closure of spill 9513870 was denied as per my letter dated 12/01/2009. Soil sampling should be performed at the site as per my letter. If you have any questions regarding this matter please contact me at 718-482-6387. Thank you, AZ

8-3-2010 An e-mail from H. Roberts: Alex, We've been in touch with DOS regarding the renovation work at the Manhattan West 9 Garage. There is no schedule yet for floor slab replacement (see emails below). We'll let you know when the floor replacement gets scheduled. AZ

10-11-2011 I was contacted by K. Shenahan. The current site owner is postponing work on breaking the existing floor and sampling the soil due to the lack of funds.

10/13/2011 an e-mail was received from K. Shenahan: Alex, NYCDDC's environmental consultants have been successfully implementing site remediation at this site since 2004. Remediation technologies included a multi-phase extraction system, natural attenuation and excavation.

Recently, the owner of the property informed NYCDDC that the financing of a proposed facility rehabilitation project would not be approved until the spill number was closed. Therefore, URS has prepared this e-mail to summarize the current situation at this site and formally request closure of spill #9513870.

Background There has been no activity on this site since late 2009.

The MPE system began operating in April 2004 and consisted of a network of 14 extraction wells. By February 2005, site monitoring data showed that free product was no longer present at the site and groundwater contaminant levels were significantly reduced. In addition, soil borings showed significant decreases in soil contamination. Based on these results, three of the extraction wells were shut off. In October and November 2005, LiRo advanced an additional five soil borings to evaluate system performance. Two of the five borings showed the presence of minor residual contamination.

In December 2006, URS completed another round of confirmation soil sampling and the data was clean except for one boring near well EW-09. As a result, operation of the MPE system was focused on the area around EW-09. In October 2007, URS advanced another confirmation soil boring and collected two soil samples from the area that was previously found to be contaminated. This data also indicated the presence of residual soil contamination. On January 24, 2008, URS issued an investigation summary report with recommendations for a "hot spot" excavation for soil and natural attenuation for groundwater. In an e-mail dated June 5, 2008, the NYSDEC responded to the report with several comments to which URS responded in a letter dated June 12, 2008. In an e-mail dated July 18, 2008, the NYSDEC approved removal of the MPE system, hot spot excavation, and natural attenuation for

groundwater. In addition, the NYSDEC approved closure of spill #9910856 in an e-mail dated September 12, 2008.

The "hot spot" excavation work was performed by Franklin on June 23, 2009. On August 19, 2009, URS issued a report to the NYSDEC documenting the results of soil excavation work conducted to remediate petroleum contaminated soil (soil confirmation sampling results are attached). The As-Built drawing illustrated the limits of soil excavation. The report also included a formal request to close spill #9513870 assigned to the site. The request to close the spill number was based on the fact that the remedial excavation was successful and there was only trace concentrations of volatile organic compounds (VOCs) detected in groundwater samples collected from the site (groundwater data for the past 5 years is attached). On November 20, 2009, URS also sent the NYSDEC an e-mail notifying them that owner of the facility was planning an extensive renovation of the site including replacement of the concrete floor slab which would destroy the monitoring wells located inside the garage.

On December 1, 2009, the NYSDEC sent an e-mail to URS indicating the favorable results of soil excavation were acceptable. In addition, the NYSDEC deferred approving the request for spill number closure until after floor slab replacement project. The NYSDEC requested that field screening and soil sampling be conducted during the concrete floor slab replacement project especially in the area of monitoring wells MW-06 and MW-16.

The most recent groundwater data collected at the site indicates very low concentrations of VOC in the following wells: MW-02 (14 ppb, no exceedances)

MW-06 (42 ppb, 4 exceedances)

MW-14 (2 ppb, no exceedances)

MW-15 (4 ppb, no exceedances)

MW-16 (65 ppb, 2 exceedances)

MW-20 (13 ppb, no exceedances)

MW-21 (9 ppb, no exceedances)

Summary

URS is formally requesting spill #9513870 be closed since it appears that the groundwater and soil have been remediated to the limits of the effectiveness of the approved remedial technologies. We hope this summary and attached data provides you with sufficient information to evaluate this request. URS will reiterate to the property owner that if and when he performs the facility rehabilitation project, he is required by law to notify the NYSDEC if petroleum contaminated soils are encountered. AZ

The following e-mail was sent to K. Shenahan/V. Brevdo/M. Asbagh:

Dear Kevin,

I have reviewed the Technical Memo dated October 12, 2011. The Memo stated that NYCDDC's Environmental Consultants have been successfully implementing site remediation since 2004. Remediation technologies included a multi-phase extraction (MPE) system

and excavation.

MPE system was operating at the site in 2004–2008. As a result, free phase product was no longer present at the site and groundwater contaminant levels were significantly reduced. The hot spot excavation work was performed in 2009. Post excavation end point sampling detected that no VOCs or SVOCs were detected in any soil samples. The remedial excavation was successful and there was only trace concentrations of volatile organic compounds (VOC) detected in groundwater. Based on the most recent groundwater sampling results, only six minor exceedances of groundwater standards were detected.

A current owner of the facility is planning an extensive renovation of the site including replacement of the concrete floor slab which would destroy the monitoring wells located inside the garage. If contamination is encountered during the slab replacement, a spill should be called in.

Based on the documentation provided to date, spill case 9513870 has been closed. All monitoring wells associated with this project should be closed according to the Department's Groundwater Monitoring Well Decommissioning Procedures .

The Department hereby reserves all of its rights concerning, and such forbearance shall not extend to, any further investigation or remedial action the Department deems necessary due to:

- I. The off-site migration of petroleum contaminants that was not addressed by this evaluation.
- II. Environmental conditions related to the Site which were unknown to the Department at the time of this approval.

III. Information received, in whole or in part, after the Department's spill case closure, which indicates that the corrective action was not sufficiently protective of human health for the reasonably anticipated use(s) of the site; or

- IV. Fraud in obtaining this approval for inactivation.

Please be advised that you should maintain a permanent file of all documentation and correspondence regarding this case for future use. The Department's files regarding this release may not be maintained indefinitely.

Sincerely,

Alex Zhitomirsky

NYSDEC FALL 1998 MTBE SURVEY INFORMATION FOR 9513870

Maximum MTBE concentration: 470.0 PPB
BTEX offsite: No

Current MTBE concentration: 470.0 PPB

Source of MTBE

Number of private drinking water wells impacted: 0
Number of public water supply wells impacted: 0

Steel Underground Storage Tank	-	Number of private drinking water wells impacted:	0
Fiberglass Underground Tank	-	Number of replacement wells drilled:	0
Aboveground Storage Tank	-	Number of water main extensions:	0
Piping	-	Number of water main hookups:	0
Source not identified	- X	Number of residences provided w/ bottled water:	0
Other source	-	Number of people affected:	0

Indoor Air Impacts : No

Aquifer Impacts : No

Ongoing remediation: No

Monitoring Frequency

Monthly -	Quarterly -	Semi-annual -	Annual -	Other -

Remedial Action used

No Action -

Groundwater

Soil

Pump and Treat	-	Soil Vapor extraction	-
Air sparging	-	Excavation and disposal	-
Bioreactor	-	Bioremediation	-
Natural attenuation	-	Low temp thermal desorption	-
Oxygen injection	-	Oxygen injection	-
Biosparging	-	Other	-
Dual phase extraction	-		
Other	-		

Under investigation: Yes

Dept. of Health involvement: No

Dept. of Health Remarks: No remarks given for this spill

General Remarks: No remarks given for this spill

Map Identification Number 100

MOBIL



99 EAST 149TH ST

BRONX, NY

Spill Number: 9208906

Close Date: 04/06/2004

TT-Id: 520A-0008-109

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 475 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY
 Notifier Type: Other
 Caller Name: DAWN MEDAGLIA
 DEC Investigator: KMFOLEY

Spiller: exxon Mobil
 Notifier Name:
 Caller Agency: TYREE BROS.
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (516) 249-3150
 Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),
 contamination of drinking water supplies, or significant release to surface waters.
 Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
11/02/1992		UNKNOWN	2-156590	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

Caller Remarks:

FROM PRIOR TO MAR 90 CONTAM. SOIL EXISTS-OLD MONITORING WELLS(3)DESTROYED DURING CONSTRUCTION EXCAV.-CONTAM.SOIL EXCAV.OR TO BE EXCAV & STOCKPILED ON POLY-TEST

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead DEC Field was K FOLEY 10/10/95: This is additional information about material spilled from the translation of the old spill file: CONTAM. SOIL G/W.

12/10/03 Reassigned from Sigona to Foley.

1/28/04 Spoke to Brian Melancon of GSC (845-561-9890), Mobil's consultant. Mobil wants to close out spills. They divested property in March 1990 but have been active in remediating their spill. Cross Deegan Realty only plans on addressing their spill #9909670 (by restoring to pre-spill conditions). I requested that GSC send in a formal closure request with data justifying closure of Mobil spills.

3/1/04 GSC submitted closure request report.

7/94-10/00 ExxonMobil operated an SVE/AS system removing approx 8861 lbs of VOCs. Four air sparge/vapor extraction wells and one air sparge well were installed. In October 2000, the system was shut down due to asymptotic recovery rates. DEC was notified of system deactivation in March 2001 Handex Site Status Report.

Spill #9708729 was issued to the site on 10/25/97 in response to dumping of oil into sewer system.

Spill #9909670 was issued to the site on 11/9/99 for petrotite failure on 4000gal gas UST.

4/6/04 NFA letter to be hand delivered at Albany meeting 4/7. Reviewed GSC's closure request report(3/1/04). Concentrations were decreasing to ND prior to Spartan's tank test failure.

See Spartan files (spill #9909670)

Map Identification Number 101**MOBIL**

99 EAST 149TH STREET

NEW YORK CITY, NY

Spill Number: 8911938**Close Date: 04/10/1990**

TT-Id: 520A-0007-976

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 475 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Responsible Party

Caller Name: JOAN LUCIA

DEC Investigator: O'DOWD

Spiller: EXXON MOBIL

Notifier Name:

Caller Agency: MOBIL

Contact for more spill info:

Spiller Phone: (212) 292-4400

Notifier Phone:

Caller Phone: (703) 849-5405

Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
01/01/1990	04/10/1990	UNKNOWN	UNKNOWN		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM		PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

Caller Remarks:

SITE ASESMENT SHOWS CONTAMINATED SOIL, WILL PULL TANKS ON 4/6/90.

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

Map Identification Number 102 **AMOCO SERVICE STATION**
 99 EAST 149TH STREET

BRONX, NY

Spill Number: 0311549**Close Date: 01/14/2004**
TT-Id: 520A-0007-654

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 475 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Other

Caller Name: BARRY SCHWARTZ

DEC Investigator: KMFOLEY

Spiller: HANK ALPERT – SPARTAN PETROLEUM

Notifier Name: BARRY SCHWARTZ

Caller Agency: NYC DEPT. OF DESIGN & CON

Contact for more spill info: BARRY SCHWARTZ

Spiller Phone: (516) 365-8700

Notifier Phone: (718) 391-1333

Caller Phone: (718) 391-1333

Contact Person Phone: (718) 391-1333

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
01/07/2004		OTHER	2-600626	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

DOING SUB SURFACE INVESTIGATION ,FOUND CONTAMINATED SOIL. DIGGING FOR A SEWER PROJECT. WILL NOT BE DOING ANYTHING FURTHER.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was K FOLEY 1/14/2004 contaminated soil letter will be sent to Amaco

1/14/04 To be investigated and remediated under spill #9909670 (KMF)

Map Identification Number 103**AMOCO**

99 EAST 149TH ST

BRONX, NY

Spill Number: 0307681**Close Date: 12/10/2003**

TT-Id: 520A-0007-629

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 475 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Other

Caller Name: BRIAN MELANCON

DEC Investigator: KMFOLEY

Spiller: SPARTAN PETROLEUM & MOBIL

Notifier Name: SAME

Caller Agency: GSC

Contact for more spill info: IMPACT ENVIROMENTAL

Spiller Phone:

Notifier Phone:

Caller Phone: (845) 561-9890

Contact Person Phone: (631) 269-8800

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
10/21/2003		UNKNOWN	2-600626	NO	NO

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

Caller Remarks:

Ground water samples taken at above location reveal contamination. No further information available at time of call.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was K FOLEY 10/21/03 TJD @duty desk Soil contamination letter sent to Amoco.

11/7/03 CALL FROM IMPACT ENV. //REQUESTING INFO// 11/18/03 Received CAP, 3rd Quarter 2003 monitoring report, and tank test results(pass). 11/21/03 transferred from tipple to vought

12/10/03 Reassigned from Vought to Foley. To be investigated and remediated under spill #9909670.(KMF)

Map Identification Number 104**COMMERCIAL PROPERTY**

557 GRAND CONCOURSE

BRONX, NY

Spill Number: 0601001**Close Date: 05/18/2006**

TT-Id: 520A-0006-772

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 568 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Other

Caller Name:

DEC Investigator: KSTANG

Spiller: BRUCE BECK – COMMERCIA PROPERTY

Notifier Name:

Caller Agency:

Contact for more spill info: BRUCE BECK

Spiller Phone: (631) 422-3370

Notifier Phone:

Caller Phone:

Contact Person Phone: (631) 422-3370

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
04/26/2006		OTHER	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

4/28/06– DEC Piper spoke w. Bruce Beck of NAtional. aS per conversation he has completed a phase II on an E designated site. VOC asn ,metal contamination in GW. LEft message for Bruce requesting copy of report fro review. Afterwards a meeting can be held.

05/18/06 – Reviewed Site Investigation Report. NYCDEP is dealing with the contaminated soil under the Hazardous Materials E Designation provision. The highest TVOCs in GW is 1.5 ppm. NYCDEP has required vapor barrier and sub-slab venting system to be installed beneath the proposed new building. The residual GW contaminations do not pose any immediate risk to the environment and should biodegrade over time. This spill is inactivated. – KST

Map Identification Number 105**MANHOLE #4506**

149TH & GERARD AVE

BRONX, NY

Spill Number: 0503997**Close Date: 01/09/2006**

TT-Id: 520A-0010-596

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 571 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: E 149TH ST / GERARD AVE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Responsible Party
 Caller Name: TIMOTHY PARKER
 DEC Investigator: GDBREEN

Spiller: UNKNOWN AT THIS TIME
 Notifier Name: TIMOTHY PARKER
 Caller Agency: CONED
 Contact for more spill info: ERT DESK MIKE DAUGHTERY

Spiller Phone:
 Notifier Phone: (212) 580-8383
 Caller Phone: (212) 580-8383
 Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/05/2005		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

coming off 24 hour due to a default in manhole: coned # 159570: no to 5 questions;

DEC Investigator Remarks:

159570.000

05-Jul-2005 05:15 hrs. Flush Mechanic, Jonh Maloney (05863) while preparing to flush MH-4506 located at SWC e149 St & Gerard Ave, Bronx, NY, reports finding ~ 6 oz of unknown oil in the dirt of a dry manhole. No fire/smoke is/was involved. No sewers, waterways or private property were affected. No injuries were reported at this time. Crew hung environmental tag # 40794 in structure. Crew took 2 samples for PCB & OIL ID on chain of custody (dd-09490). Clean up pending sample results. L Fischer 55784

05-July-2005 09:20 hrs. At 09:15 hrs. Bx/West Underground OS. D. Scarimbolo # 87659 reported that the oil in the manhole is leaking from a primary joint on the floor of the manhole and will require a feeder outage to make repairs. This incident has been changed to a reportable spill due to this and that the cleanup will no longer meet the 24 hr. deminimis time criteria. CIG. Rep. T. Parker # 87739 notified. R. Browne # 21646

Map Identification Number 106**MANHOLE 3889**

EXTERIOR ST/150TH ST

BRONX, NY

Spill Number: 9912518**Close Date: 11/15/2004**

TT-Id: 520A-0014-275

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 638 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10451

Source of Spill: UNKNOWN

Notifier Type: Other

Caller Name: TONY LOPEZ

DEC Investigator: JHOCONNE

Spiller: UNKNOWN

Notifier Name: MR MARKET

Caller Agency: CON EDISON

Contact for more spill info: TONY LOPEZ

Spiller Phone:

Notifier Phone: (914) 925-6205

Caller Phone: (212) 580-6763

Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
02/02/2000		UNKNOWN	NO		NO		
Material Spilled	Material Class		Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM		1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 gal oil on 500 gals of water contained in manhole. clean up pending con ed 129-830

DEC Investigator Remarks:

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

e2mis no. 129830:

02/02/00 @ 11:00 Hrs. Operating supervisor L. Fischer reports finding approx (1) gallon of unknown oil on top of approx. (500) gallons of water in manhole # 3889 Exterior St. 850' n/o 150th Street in the Bronx. Conduit plate 12-A indicates no sewer connections at this manhole, water is stagnant. Mr. Fischer took sample and placed environmental tag # 24429 in manhole. No sewers or water ways are affected, clean up pending sample results.

02/02/00 @ 17:50 Hrs Lab Sequence Number: 00-00956 PCB <1.00 PPM

02/03/00 @ 11:30 Hrs. Operating supervisor L. Fischer reports that the clean up in manhole # 3889 is complete, Corporate tanker removed approx (500) gallons of water and (1) gallon of unknown oil from structure. The manhole was power washed and the wash

water was removed by the corporate tanker. The solid debris was removed by the flush vector truck. The sump was verified as a concrete sump. Environmental tag # 24429 was removed.

Map Identification Number 107 **208591; EXTERIOR ST**
 EXTERIOR ST
 725 EXTERIOR ST & W. 150TH STREET

, NY

Spill Number: 0890401**Close Date: 08/16/2010**
TT-Id: 520A-0218-728

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 638 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: 725 EXTERIOR ST

Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: JIMZALEWS

Spiller: ERT DESK – CON EDISON

Notifier Name:

Caller Agency:

Contact for more spill info: ERT DESK

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.
 Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/22/2007		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0.50	GALLONS	0.00	GALLONS	UTILITY

Caller Remarks:

V-2889 2 qts oil on 300 gallons water– feeder 2x28– restricted access, construction Pending: Cleanup

DEC Investigator Remarks:

08/16/2010 See eDocs for Con Ed report detailing cleanup and closure DMP

Map Identification Number 108**204710; EXTERIOR ST**

EXTERIOR ST

CROMWEL AVE MAJOR DEEGAN EXPWY

, NY

Spill Number: 0890003**Close Date: 07/03/2007**

TT-Id: 520A-0218-078

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 638 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: EXTERIOR ST

Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: Unassigned

Spiller: ERT DESK - CON EDISON

Notifier Name:

Caller Agency:

Contact for more spill info: ERT DESK

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended

02/26/2007

UNKNOWN

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected

UNKNOWN PETROLEUM

PETROLEUM

0.38

GALLONS

0.00

GALLONS

UTILITY

Caller Remarks:

MH3899 ~ 3 pints of unknown oil on water Closed: Agency Approval Not Required

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

Map Identification Number 109**NEXT TO YANKEE STADIUM**

150TH /EXTERIOR STREET

SOUTH BRONX, NY

Spill Number: 0605936**Close Date: 06/21/2007**

TT-Id: 520A-0012-146

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 638 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: E 150TH ST / EXTERIOR ST

Revised zip code: 10451

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Spiller: REBECCA DARR

Spiller Phone: (718) 344-3853 ext. C
ext: CELL

Notifier Type: Other

Notifier Name:

Notifier Phone:

Caller Name:

Caller Agency:

Caller Phone:

DEC Investigator: SFRAHMAN

Contact for more spill info: REBECCA DARR

Contact Person Phone: (718) 344-3853 ext. C
ext: CELL

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
08/23/2006		OTHER	NO		NO	

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

Caller Remarks:

DEC MUST CALL FIRST BEFORE GOING, IT IS A LOCKED SITE: WHILE DIGGING FOUND CONTAMINATED SOIL;

DEC Investigator Remarks:

Sangesland spoke to Rebecca Darr of the New York City Economic Development Corporation. Her group is involved with the construction of the New Yankee Stadium next to the existing stadium. As part of this project, the city needed to replace some neighborhood parkland and ball fields that were being taken over by the new stadium construction. The City is rebuilding several old piers along the waterfront and turning them into parkland and ball fields. During the effort to rebuild these piers, the city found several buried tanks used 50 years ago when this was part of a railroad parking area. Trench work done on these piers finds that the fill material is contaminated with petroleum. A sheen was found on the Ground Water at approx 5 ft depth. Langan Engineering has been hired by the city to Deal With the contamination issues. It has not yet been determined how the remediation will be done. 12/12/06 Rahman- Jason Hayes from Langan Engineering(917.859.4908/212.479.5427,jahayes@langan.com) called to say they have found one additional UST while removing those previously discovered USTs.New PBS application will be submitted to DEC. 02/26/07 Rahman-Email from Langan describe the following: 1) The Pier 3 excavation is nearly complete and has resulted in the removal of the vast majority of the source area; current remedial excavation size is approximately 170 feet by 170 feet.A portion of the western sidewall, approximately 80 to 90 linear feet adjacent to the Harlem River, contains grossly contaminated soil that can not be feasibly removed.The sidewall contamination can not be feasibly removed due to the risk of compromising existing waterfront structures (i.e., crib wall, rip rap) that hold the shoreline in-tact and separates the Harlem River from the excavation.The shoreline opposite this sidewall section has been carefully observed at varying tide elevations and no indication of contamination (visual or olfactory) has been observed. Endpoint samples were collected on either side of the contaminated sidewall to delineate its extent. Previous investigation samples and endpoint samples (TCL VOCs and TCL SVOCs) in the area show SVOC exceedances characteristic of historic urban fill and occasional slight VOC exceedances. Given the large

amount of source area removed from the pier and considering protection of the existing waterfront structures, the limited area of grossly contaminated material associated with the sidewall will be left in-place and is expected to naturally attenuate over time. The contaminated layer in the sidewall is approx. 2 to 8 inches thick and is at a depth of approximately 6 to 10 feet below surface grade.

2) The Pier 2 excavation is roughly 80 percent delineated, with the grossly-contaminated material removal area currently estimated at 60 feet by 90 feet. As discussed, a portion of the northern sidewall, approximately 40 to 50 linear feet adjacent to an inlet (interpier) shared with the Harlem River, contains grossly contaminated soil that can not be feasibly removed. The sidewall contamination can not be feasibly removed due to the risk of compromising existing waterfront structures (i.e., crib wall, bulkhead) that hold the shoreline in-tact and separates the Harlem River interpier from the excavation. Note that the interpier shoreline opposite this sidewall section has been carefully observed at varying tide elevations and no indication of contamination (visual or olfactory) has been observed. Endpoint samples were collected on either side of the contaminated sidewall to delineate its extent. Previous investigation samples and endpoint samples (TCL VOCs, TCL SVOCs, lead) in the area show SVOC exceedances characteristic of historic urban fill, and VOC exceedances (previous investigation samples). Given the large amount of source area to be removed from the pier and considering protection of the existing waterfront structures, the limited area of grossly contaminated material associated with the sidewall will be left in-place. Because of the presence of VOCs observed in the soil during the previous investigation, a chemical oxidant (Oxygen Release Compound) will be added to the remedial excavation and on the grossly-contaminated sidewall material to be left in-place. The Oxygen Release Compound (ORC) will be added prior to backfill of the excavation and will consist of approximately 600 pounds of compound; 300 pounds of RegenOX Oxidizer Complex and 300 pounds of RegenOX activator complex. Note that the contaminated layer in the sidewall is approximately 2 to 6 inches thick and is at a depth of approximately 6 feet below surface grade.

3) Backfill of the remedial excavations shall consist of crushed 3/4-inch stone to approx. 1 foot above the water table, geotextile fabric on top of the gravel layer (to keep the soil backfill separate), and compacted soil to grade level. All Soil brought on-site to be used as backfill will contain no exceedances of the NYSDEC Technical and Administrative Guidance Memorandum 4046 Recommended Soil Cleanup Objectives (TAGM 4046 RSCOs), which will be demonstrated by one composite soil sample per 1,000 cubic yards of backfill.

06/21/07 Closure report from Langan Engineering dated May 2007. Remediation activities included: removal and disposal of 13,368.88 tons of non hazardous contaminated soil, removal and disposal of 8,195.57 tons of concrete, asphalt and general construction and demolition debris, removal and disposal of nine USTs, removal and disposal of 4,477 gallons of product and UST cleaning fluids, application of chemical oxidant to the pier 2 excavation, post excavation end point sampling and backfill of the piers 2 & 3 remediation excavation. At pier 2, approx. 40-50 linear ft of northern excavation sidewall, contained petroleum contaminated soil that could not be feasibly removed due to the risk of compromising existing waterfront structures that hold the shoreline in-tact and separate the Harlem river from the excavation. ORC was applied in that area to remediate. Eighteen end point samples were taken from pier 2- no VOC was detected above TAGM RSCOs. SVOC exceedances typical of historic fill were detected in the samples. Fifty six end point samples were collected from Pier 3. VOC/SVOCs were within acceptable limit. Details report in edocs.

Map Identification Number 110**SPILL NUMBER 0204235**

MAJOR DEEGAN/150TH ST

BRONX, NY

Spill Number: 0204235**Close Date: 07/23/2002**

TT-Id: 520A-0006-946

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 638 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: MAJOR DEEGAN EXPWY / E 150TH ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE

Notifier Type: Local Agency

Caller Name: CHERELLE

DEC Investigator: JBVOUGHT

Spiller: UNKNOWN

Notifier Name: FDNY

Caller Agency: NYC DEP

Contact for more spill info: FDNY

Spiller Phone:

Notifier Phone:

Caller Phone: (718) 595-6777

Contact Person Phone: (718) 430-0200

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/23/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

req dec to respond..material is going over the side of the roadway and onto a building.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was VOUGHT 7/23/2002-VOUGHT-Spoke with Lt. Calahan of Engine Company 60 who responded to spill. Spill did not go over side of roadway as remarks stated. FDNY checked both inside and outside of building for diesel. SPill went down storm drain on highway which empties onto street. Spill on highway and street cleaned using speedy dry. DOS was notified to sweep street. Spill on asphalt. Spill closed by Vought.

Map Identification Number 111**BRONX HOUSE OF DETENTION**

653 RIVER AVE.

BRONX, NY

Spill Number: 0504695**Close Date: 04/04/2006**

TT-Id: 520A-0007-813

MAP LOCATION INFORMATION

Site location mapped by:

Approximate distance from property: 654 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10451

Source of Spill: UNKNOWN

Notifier Type: Other

Caller Name: BOB LAGA

DEC Investigator: SFRAHMAN

Spiller: GENE BIFULCO - BRONX HOUSE OF DETENTION

Notifier Name: BOB LAGA

Caller Agency: FRANKLIN CO. CONTRACTORS

Contact for more spill info: GENE BIFULCO

Spiller Phone: (516) 938-5476

Notifier Phone: (718) 762-5200

Caller Phone: (718) 762-5200

Contact Person Phone: (516) 938-5476

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/19/2005		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Took soil samples found contam. No groundwater affected. Unknown who is doing clean up.

DEC Investigator Remarks:

Cross reference to Spill#0103521 A contaminated soil letter needs to be prepared Find address of property manager 07/25/05 Sharif Rahman- A CSL was sent to PBS address. 02/27/06 Sharif Rahman- I spoke with Andrew Bowie,(718)546-2804 of NYC Dept. of Correction and he said he would look in to it , have concerned person contact with DEC regarding the final report. 03/20/06 Sharif Rahman-DEC has n't received any call/correspondence regarding the site.Left another messege for Andrew Bowie.Later on, Andrew got back to me and indicated that Max Rigaud,(718)728-3550 of DDC is responsible to send DEC the report. He will communicate with Max shortly. 03/30/06 Sharif Rahman- This is a duplicate of spill#0103521.Spill#0103521 is associated with leaking underground piping to the boiler system.As part of investigation work for spill # 0103521, consultant came across visible stain and elevated PID readings and spill# 0504695 was called in.Consolidated with the initial spill case-End.

Map Identification Number 112**TRANSFORMER MANHOLE 644**

EAST 149TH ST

BRONX, NY

Spill Number: 0313571**Close Date: 07/15/2004**

TT-Id: 520A-0014-314

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 702 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: EXTERIOR ST / E 149TH ST

Revised zip code: 10451

Source of Spill: UNKNOWN

Notifier Type: Other

Caller Name: PAUL DINONATO

DEC Investigator: SKARAKHA

Spiller: UNKNOWN

Notifier Name: PAUL DINONATO

Caller Agency: CON ED

Contact for more spill info: ENVIRONMENTAL DEST

Spiller Phone:

Notifier Phone: (212) 580-6764

Caller Phone: (212) 580-6764

Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
03/10/2004		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM		PETROLEUM	3.00	POUNDS	0.00	POUNDS	SURFACE WATER

Caller Remarks:

3 gallons of unknown oil type product on 200 gallopns of water & humas waste in transformer manhole. All contained. Clean up pending crew availability.

DEC Investigator Remarks:

e2mis 152443

Fld Ops. Mechanic. A. Martucci # 27971 reported discovering ~ 3 gallons of unknown oil on ~ 200 gallons of water. The crew took an oil sample (COC # DD08128) and hung an environmental tag # 239. Due to feeder constraints this cleanup will be conducted as assumed 50 – 499ppm. PCB. as per the shift Mgr.

FOD A. Martucci reported that there was also human waste in the hole. Clean Harbors was contacted and a tanker was dispatched to remove any liquids. A full crew will be available and on location at 07:00 to start the cleanup.

Lab Sequence Number: 04-01854-001 PCBs < 1 ppm

Clean Harbors tanker removed 1200 gallons of non-hazardous possible sewage liquid and was complete with that at 23:00

Mar-10-2004. Clean Harbors to be on location at 07:00 and I&A crew needed to pressure test TM-644 right after cleanup is complete.

Oper. Supvr Larry Sutherland 16840 reports transf failed to hold pressure and CFR. Clean Harbors on location conducting a partial cleanup.

Perugini reports Clean Harbor Environmental Cusco truck finished removing 4 yards of non-hazardous solid waste debris. The structure was double washed and rinsed. The final clean up is pending the removal of the defective transformer.

25-Apr-2004 05:30 hrs Flush mechanic Ed Ceden reports CFS tanker removed 1940 gallons of liquid from the structure. Flush truck removed 600 lbs of non-hazardous solid debris from the structure. Entire structure was double washed with Bio-Gen 760. All waste water was removed by the CFS tanker. The defective transformer was removed and replaced. Environmental tag # 23936 was removed. Clean up is complete.

Map Identification Number 113
 **NORTHBOLD SERVICE RD**
 EXIT 4 MAJOR DEAGAN

BRONX, NY

Spill Number: 0610701

Close Date: 07/25/2007
 TT-Id: 520A-0014-593

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
 Approximate distance from property: 762 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: MAJOR DEEGAN EXWY
 Revised zip code: 10451

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

Spiller: DOAN CAFFERTY - NORTHBOLD SERVICE RD
 Notifier Name:
 Caller Agency:
 Contact for more spill info: DOAN CAFFERTY

Spiller Phone: (917) 882-7164
 Notifier Phone:
 Caller Phone:
 Contact Person Phone: (917) 882-7164

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/21/2006		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

NEAR THE BROWNFIELD PROJECT- FOUND CONTAMINATION WHILE DIGGING FOR A SEWER LINE: TOOK SAMPLES AND STOCK PILED AND HAVE NOT REMOVED MATERIAL

DEC Investigator Remarks:

Sangesland left a voice message with Mr. Cafferty asking for more information on what contamination was found during this digging AND which Brownfields case this site is associated with. If this is part of a Brownfields project, this spill can be closed out and the project forwarded to that Brownfields manager here at the DEC.

This site is under separate contract and is not associated with the brownfield project. While digging excessive contamination was found. PID results were pinned at 2000ppb. Piper left message for chief Engineer of Deegan Project. MAzher Usmani- 973-441-7225. requesting callback. need to send csl.

7/26/07- DEC Piper received and reviewed closure report. While digging a sewer construction crew observed contaminated soil in trench. Trench was 110' long x 8' wide x 15' deep. Contaminated soil was stockpiled and disposed of. 365 tons of soil was disposed of. Endpoints revealed no VOC's and exceedances in SVOC's which is most likely due to fill material. A slab was put in the trench and a slab capped the trench. Closed. See e-docs if warranted.

Map Identification Number 114 **475 WALTON AVENUE**
 475 WALTON AVENUE

BRONX, NY

Spill Number: 9512362**Close Date: 02/11/2003**
TT-Id: 520A-0010-615

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)
 Approximate distance from property: 982 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Fire Department
 Caller Name: FIREFIGHTER REGAN
 DEC Investigator: TOMASELLO

Spiller: UNKNOWN
 Notifier Name: FIREFIGHTER REGAN
 Caller Agency: NYC FIRE DEPARTMENT
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone:
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
01/03/1996		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL		PETROLEUM	30.00	GALLONS	30.00	GALLONS	SOIL

Caller Remarks:

SPILL FOUND IN ROADWAY IFO HOSTOS COMMUNITY COLLEGE. UNKNOWN SOURCE. NO SEWERS. FIRE DEPARTMENT ON SCENE. NYC DEP NOTIFIED AND RESPONDING.

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

Map Identification Number 115

MANHOLE 4526



EAST 153RD STREET+GERARD

BRONX, NY

Spill Number: 0012262

Close Date: 08/17/2001

TT-Id: 520A-0009-080

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1007 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: E 153RD ST / GERARD AVE

Revised zip code: 10451

Source of Spill: UNKNOWN
 Notifier Type: Affected Persons
 Caller Name: RICHARD ROACH
 DEC Investigator: OKWUOHA

Spiller: UNKNOWN
 Notifier Name: SAME
 Caller Agency: CON EDISON
 Contact for more spill info: RICHARD ROACH

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

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/14/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
OTHER	OTHER	1.00	GALLONS	1.00	GALLONS	SOIL
The following material(s) was dropped or revised by the NYS DEC. Call Toxics Targeting for more information						
OTHER PETROLEUM	UNKNOWN	1.00	GALLONS	0.00	GALLONS	

Caller Remarks:

THEY FOUND A SPILL IN THIER MANHOLE TREATED AS 50 TO 499 SPILL IS BEING CLEANED UP

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

E2MIS Notes 2/14/01: Flush mechanic Guarino found 1 pint of oil in mud area 2'x2'. No water in manhole. No sewer connection. No private property affected. No sewer or waterway affected. No smoke or fire. Clean up being done is being done as 50 – 499ppm.
(MO 2/22/01)

Map Identification Number 116 **UNDER CONSTRUCTION**
500 EXTERIOR ST

BRONX, NY

Spill Number: 1400009**Close Date: 12/14/2015**
TT-Id: 520A-0296-260

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1010 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name:

DEC Investigator: SXMAHAT

Spiller: MATTHEW CARROL – FORMER AUTO PARTS

Notifier Name:

Caller Agency:

Contact for more spill info: MATTHEW CARROL

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (646) 606-2332

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
04/01/2014		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM		PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

soil contamination found in test results, no ust believed present, gw not affected

DEC Investigator Remarks:

4/7/14: Mahat T/C : Matthew Carrol (Tennen Environmental @ 646.606.2332 Ext: 103) mentioned that he has filed the BFA for the site and he will touch base with the Department once the application is processed.

12/14/15: Mahat DEC Mahat left a voice message to Mr. Carrol inquiring about the spill case update.

BCP Site: Application # C203071 (Crossed Referenced) BCP PM : Kyle Forster Spill case was called in as there was contamination during Phase II. Spill case will be address in BCP application. Spill case is closed in NYSDEC Spill Database.

Map Identification Number 117 **HOSTOS COMMUNITY COLLEGE**
 500 GRAND CONCOURSE
 CUNY SYSTEM

BRONX, NY

Spill Number: 0800543**Close Date: 06/24/2010**
TT-Id: 520A-0214-638

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 1021 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

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

Spiller: DIAHANN MCFARLAND – HOSTOS COMMUNITY COLLEGE
 Notifier Name:
 Caller Agency:
 Contact for more spill info: MICHAEL VANDERHEIJDEN

Spiller Phone:
 Notifier Phone:
 Caller Phone:
 Contact Person Phone: (914) 448-2266

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/14/2008		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

DOING SOIL BORINGS CAME UPON CONTAMINATED SOIL

DEC Investigator Remarks:

CSL prepared and sent to Consultant:

Woodard and Curran Attn: MICHAEL VANDERHEIJDEN 709 Westchester Ave White Plains, NY 10604

04/24/08–Vought–Called Michael VanDerheijden (Ph:914–448–2266 Fax:914–448–0147) and left message to return call to DEC. Owners contact as per PBS (Frank Virone 718–518–4476). Vought sent and faxed CSL with one month due date to mail address as per PBS #2–452319:

Mr. Frank Virone Hostos Community College 500 Grand Concourse Bronx, NY 10451

DEC requires: 1)delineation of soil and groundwater contamination 2)collection of endpoint soil samples if excavation is performed 3)possible PBS update.

04/25/08–Vought–Received call from and spoke to Vanderheijden and data has not been received and product was present. Groundwater very shallow and some free product on groundwater. Depth to groundwater is one foot below grade. Sump five feet away and water in sump has been clean. Further action pending receipt of analyticals. Spill located in basement of building and spatial constraints may restrict excavation. Tank has been cleaned and filled with cement. Spill may be associated with an prior overfill. Tank that was abandoned was technically as UST in a vault in a two teir basement and only access to tank is via manholes. PBS will be changed from temporarily out of service to permanently closed and PBS registration was submitted as per Vanderheijden. Possible action may include additional borings once analyticals are received. Report will be received within two months and deadline extended till June 27, 2008.

05/02/08–Vought–Received call from and spoke to Vanderheijden and he received letter with one month due date and requested letter extending till 6/27/08. Vought sent email to Vanderheijden with above notes from 4/25/08 extending deadline.

05/29/08–Vought–Received fax from Woodward and Curran (Van Der Heijden) dated 5/29/08. 10,000–gallon #6 fuel oil UST located in a very confined area surrounded by electrical and boiler equipment that services the entire building . UST was closed including removal of product and filling with concrete slurry to close in place on 3/25/08. Soil and groundwater samples collected adjacent to the tank and droplets of oil were observed floating on top of the water . Groundwater analyticals showed no detections of VOCs or SVOCs. Proposal to install three additional borings and redrilling of original sample locations in floor and performance of a bail down test to examine product recharge into borings. Once all reasonably recoverable petroleum product has been removed, CUNY will cease recovery backfill holes and notify the DEC .

DEC requires: 1)site plan 2)backfill holes only upon approval from DEC and absence of free product as opposed to reasbnably recovered.

Vought called Van der Heijden and explained above requirements and requested site plan before approval can be provided.

10/03/08–Vought–Received emailed site plan from Van Der Heijden on 6/11/08. Vought called Van Der Hiejden to clarify pumps adjacent to UST location on site plan. Site plan also has two proposed sampling locations instead of three location as per 5/29/08 proposal. Vought left message to return call. Vought received callback from and spoke to Van der Heijden and pumps adjacent to UST on site plan are sump pumps that have had no history of product detection however two sampling locations farther away from two sumps had prior history of free product in borings. Van Der Heijden will install three to four additional borings to confirm the presence/absence of product and collect groundwater samples in locations of prior borings and assumed downgradient locations. Vought sent letter approving of 5/29/08 proposal with cc to Van Der Heijden.

07/27/09–Vought–Received call from John Virgie (Obrien and Gere–732–225–7380) and they will be replacing Woodward and Curran (former consultant) and they will be implementing scope dated 5/29/08 but only difference will be wells be installed instead of borings. DEC will receive report by 11/15/09.

6/11/10–Vought–Spill transferred from DEC Vought to DEC Ketani as per DEC Austin and Vought transfer to Section A.

6/14/10 – Raphael Ketani. On 8/6/09, a letter was received from O'Brien & Gere confirming discussions between Mr. Vought and Mr. Virgie regarding the proposed subsurface investigation. On 8/10/09, a letter was received from O'Brien & Gere which had the same content as the 8/4/09 letter, but with the addition of an LSIR submission date and a remediation report submission date.

Mr. Vought had received the 11/6/2009 Limited Subsurface Investigation Report (LSIR) on 11/9/09. I reviewed the report today. The three groundwater samples were all non-detect for SVOCs and VOCs. The seven soil samples were non-detect for VOCs and almost entirely non-detect for SVOCs. The soil sample from MW-3 at 4 to 6 feet had a series of very low SVOC hits (some of which were exceedences for the benzo group of analytes), but the concentrations are not typical of oil contamination. I tried to contact John Virgie of O'Brien & Gere (732) 225-7380 regarding the report and the need to do a boring at each end of the tank, but I could only leave a phone message.

6/15/10 – Raphael Ketani. I tried to contact Mr. Virgie on his cell (609) 306-0509 regarding the site investigation, but could only leave a message.

6/17/10 – Raphael Ketani. I tried to contact Mr. Virgie regarding the site investigation, but could only leave a message.

Mark Randazzo of O'Brien & Gere (781) 883-6432 called in response to my attempt to contact Mr. Virgie. He said that he started the project and usually works on the CUNY site. He said that he is familiar with the project. I asked him why borings were not done at the ends of the tank as there seemed to be enough room to get some equipment to these locations. Mr. Randazzo said that he wasn't sure why. However, he said, the borings and wells that were installed were in an area that was lower than the tank and downgradient. Mr. Randazzo said that he will look at the project again and get back to me.

6/18/10 – Raphael Ketani. Mr. Randazzo called me back. We discussed the site and the presence of droplets of oil in the 2008 groundwater samples. He stated that O'Brien & Gere will bring the matter to the attention of staff at Hostos Community College regarding attempting to install two temporary wells (one at each end of the tank). The most contaminated soil sample would be taken from each boring and a groundwater sample.

6/23/10 – Raphael Ketani. Mr. Randazzo sent me the following e-mail today:

O'Brien & Gere respectfully requests that you reconsider your request for additional soil borings and temporary wells in the area of the UST, based on the following:

- wells were installed hydraulically downgradient from the UST and no oil was found;
- No. 6 oil is characteristically not very mobile;
- when the building is taken down, any limited LNAPL present in the area of the tank will be removed;
- the sub-basement sump near the UST was found to be free of No. 6 oil; and
- according to Hostos personnel, utility drawings in direct vicinity of the tank, electrical equipment, and pump area are not available.

Based on this information we ask that you reconsider this request and close the spill number.

6/24/10 – Raphael Ketani. As the product lost is #6 oil which has a low concentration of volatile components, if any, and as no oil has been seen in the groundwater during 2009, and as there are no plans to show where the electrical lines are next to the tank – which poses a safety concern for drilling through the floor in the tank room, I am closing the spill case.

Map Identification Number 118**CANDLEWOOD AUTO MALL**

676 GRAND CONCOURSE

BRONX, NY

Spill Number: 0613549**Close Date: 07/02/2008**

TT-Id: 520A-0013-557

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1023 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Spiller: KEDARI REDDY – CANDLEWOOD AUTO MALL

Spiller Phone: (347) 245-0121 ext. C
ext: CELL

Notifier Type: Local Agency

Caller Name:

DEC Investigator: hrpatel

Notifier Name:

Caller Agency:

Contact for more spill info: KEDARI REDDY

Notifier Phone:

Caller Phone:

Contact Person Phone: (347) 245-0121 ext. C
ext: CELL

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/12/2007		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

NY CITY DEPT. OF TRANSPORTATION ACQUIRED ABOVE PROPERTY AND UPON INSPECTION ON 3/12/07 THERE WERE SEVERAL ABOVE GROUND STORAGE TANKS, (14) 4 OF WHICH WERE BEING USED:

CONTAINING WASTE OIL. THERE APPEARS TO BE SOME MATERIAL ON GROUND BENEATH THE TANKS, AND IN THE AREAS SURROUNDING THE TANKS. ALSO ON FLOOR OF BASEMENT:

CONDUCTING PHASE TWO TO INVESTIGATE IMPACTS AND WILL INSPECT TANKS TO INSURE NO LEAKS, ALSO PLAN TO CLEAN UP AREA:

DEC Investigator Remarks:

03/19/07-Vought-Off hours repsonder. Vought and spoke called Kedari Reddy and site was acquired through condemnation. 14 (250-gallon)waste oil tanks located onsite registered on PBS. Oil and water on concrete in some areas of basement. Contractors performed soil borings and results will be in in two weeks. Reddy will perform site visit and if tanks are leaking they will be emptied immediately. Current operations include car wash and car lube. Letter should be sent to:

current operator is:

Cutlass Enterprises, Inc. Candlewood Auto Mall 676 Grand Concourse Bronx, NY 10451 Ari Yemini **site leasee** Ph. (516) 539-1212

Kedari Reddy NYC Department of Transportation 40 Worth Street Room 1015 New York NY 10013 PH. (212) 442-7721 Fax (212) 442-7072 email: kreddy@dot.nyc.gov

Reddy requested two month deadline. Reddy requested copy of PBS registration.

DEC requires: 1)updated registration 2)delineation of soil contamination. Vought sent letter with requirements and two month due date.

05/04/07-Vought-Received call from Kedari and subsurface investigation will be submitted, preliminary results show slight contamination. Kedari performed site visit and operator cleaned floor. Kedari said no signs of staining however signs of tank overflow in tank area and some connections between USTs may be clogged resulting in numerous spills on concrete however soil borings show only slight contamination. Records being collected for submittal of PBS registration and operator being contacted for registration. Extension for another two months granted to 7/19/07 as contamination is slight and DEC will be notified if soil analyticals show excessive contamination. PBS unit in DEC Albany has been contacted and registration will be submitted ASAP.

07/12/07-Vought-Received call from Robert Pantony (Action 516-781-3000 fax:516-781-3085). As per Pantony some tanks hold clean oil and some are for waste oil and PBS registration will be submitted. Four of the tanks will be removed as per the repair shop request. Floor will be drained and speedy dry will be removed. DEC requires before and after photos of cleanup and also statement of condition of concrete and disposal manifests. Delineation of soil contamination not required to date pending submission of report and description of concrete.

8/3/07 - Austin - Transferred from Vought to Patel for further review and action - end

08/17/07-Hiralkumar Patel. this case includes two sites:

1. 670 Grand Concourse

2. 676 Grand Concourse: alt. addresses: 671-677 Concourse Village west, 175 E 153rd Street. from propertyshark, site found as either a gas station or garage.

found PBS record on 676 Grand concourse site. PBS #: 2-601491. according to PBS record, site has six active 275 gal ASTs (on legs/saddles). four ASTs for Lube oil and two for waste oil. also site had six 250 gal ASTs (on legs/saddles), which were removed in July, 2007.

received subsurface investigation report dated May 2007. abstract:

- completed subsurface investigation for the properties located at 670 and 676 Grand Concourse, Bronx. - total 14 borings were advanced - boring B-1 to B-6 were completed at 20 ft bg, boring B-7 and B-8 were completed at 14 ft due to refusal, boring B-9 through B-11 were completed at 30 ft bg, boring B-12 and B-13 were completed at 5 ft and boring B-14 was completed at 3 ft due to

refusal – one surface soil sample was collected from each boring as a composite of the 0 to 5 ft depth (0–3 ft for B–14). additional soil samples were collected at deeper depths from each boring based on field observations (except from boring B–12 to B–14) – geophysical survey did not identify any subsurface anomalies indicative of USTs beneath or outside of the former plastic operation at 676 Grand Concourse – a subsurface anomaly consistent with a possible 275 or 500 gal UST was identified beneath the sidewalk adjacent to the south wall of 670 Grand Concourse, immediately north of E. 153rd Street – subject property is approx. 70 ft above mean sea level – based on topographic map, groundwater is expected to be located approx. 40 ft bg. – regional groundwater flow in the vicinity of the site is expected to be to the SOUTHWEST towards the Harlem River <----- – from 14 samples, found heavy SVOC contamination in sample from boring B–11 at depth of 10–15 ft bg. – boring B–11 is crossgradient sample from suspected anomaly, based on expected groundwater flow direction (which is southwest direction)

-----B-11-----limit

(10–15 ft bg) Naphthalene-----	44,200-----	13,000	Benzo(a)anthracene-----	17,500-----	224
Chrysene-----	17,600-----	400	Benzo(b)fluoranthene-----	14,000-----	1,100
Benzo(k)fluoranthene-----	8,000-----	1,100	Benzo(a)pyrene-----	15,300-----	61
Phenanthrene-----	87,200-----	50,000			

– boring log shows brown to light tan, fine to medium sand at depth of 10 to 15 ft bg at boring B–11. <-----

found heavy SVOC contamination at 10–15 ft in boring B–11, but no VOCs. next close crossgradient sample from suspected anomaly was from boring B–9, which had same kind of soil at 10–15 ft bg, but no contamination found.

08/28/07–Hiralkumar Patel. left message for Ms. Reddy at NYC DOT. received call from Ms. Reddy. construction will start next year and that will be surface construction, no deep excavation has planned. Ms. Reddy mentioned that they can do further investigation during construction activity next year.

investigation shows only SVOC contamination (including Naphthalene) at 10–15 ft and from soil boring logs, no PID readings found higher than PID reading at 10–15 ft depth. and no groundwater encountered in any borings, which concludes that contamination is currently contained inside soil and groundwater is not affected. <-----

01/08/08–Hiralkumar Patel. received call from John Santos (212–513–0130) from DOT from environmental compliance unit. he asked for no further action letter for site 676 Grand Concourse. asked him to finish delineation and remediation around previous boring B–11 as that site (670 Grand Concourse) also be owned by same owner as 676 Grand Concourse. John will call back with schedule for demolition and excavation at 670 Grand Concourse.

01/09/08–Hiralkumar Patel. discussed with DEC Austin. he asked for complete delineation and remediation around previous boring B–11 and suspected tank, before issuing no further action letter. he mentioned that initial report was made including both parcels (670 & 676) and case will be closed once necessary work done at both parcels.

01/10/08–Hiralkumar Patel. DEC Vough gave report prepared by Action Remediation. this report contains cleanup activities in basement at parcel # 676. spill happened from overfilling of four 275 gal ASTs. after cleanup, found floor in good condition and no floor drains. Action remediation requested no further action letter based on this report.

received call from Ralph Pantony (516–781–3000) Action Remediation. explained him that as initial case and soil investigation

done including both parcels, the department can't issue no further action letter for one parcel only. asked him to investigate around previous boring B-11 and suspected tank under sidewalk.

01/11/08-Hiralkumar Patel. spoke with Ms. Reddy. she asked for letter from the department confirming that no contamination observed at 676 Grand Concourse.

01/14/08-Hiralkumar Patel. discussed with DEC Austin. spoke with Ms. Reddy. asked her about owner and operator of 670 Grand Concourse. she mentioned that currently NYC DOT is property owner for site at 760 Grand Concourse.

sent letter to Ms. Reddy and owner of Cutlass Enterprises, Inc. stating that submitted documents states no contamination at 676 Grand Concourse. also mentioned to delineate and remediate soil contamination at 670 Grand Concourse. sent copy of letter to Ms. Reddy and Mr. Pantony (Fax: 516-781-3085) at Action remediation.

01/24/08-Hiralkumar Patel. met Ms. Reddy, Adnan Zaheer (212-487-7812, azaheer@dot.nyc.gov) and John Kurre (212-788-2083, jkurre@dot.nyc.gov) from NYC DOT. as per Mr. Zaheer, construction engineer, they will excavate to depth of 4 ft only below street level and will backfill basement at 670 Grand Concourse. due to access problem, they haven't done any investigation at 670 Grand Concourse and had only sidewall samples. Mr. Kurre mentioned that Phase I done at site. asked to submit Phase I for parcel # 670. asked Ms. Reddy to contact person who did GPR to find out approximate depth of anomaly under sidewalk, if possible. and if anomaly is shallow, then they will open sidewalk to confirm whether it is tank or not. and if tank, will remove it, if possible. if anomaly is deeper then asked them to do soil borings around tank to depth of at least 20 ft below street level. also asked to inspect basement at parcel # 670 for any storage for oil or other chemicals. there is an elevator company at site at 670 Grand Concourse. asked Ms. Reddy to submit contact info for operator at elevator company. asked Ms. Reddy to complete soil investigation prior to construction starts, so if any remediation required, it could be done before any construction.

01/28/08-Hiralkumar Patel. received contact info for operator at 670 Grand Concourse.

Brink Elevator Corp. **operator at 670 Grand Concourse** D/B/A Herk Elevator Co., Inc. Donnie P. Morrelli Ph. (718) 993-0600 Fax (718) 993-7583 email: brinkelevator@aol.com

Bob Gottlieb **attorney for Brink elevator** Ph. (212) 422-4000 Ext. 18

tried number for Brink elevator, but no response. sent email to Ms. Reddy to check numbers again.

left message for Mr. Gottlieb.

01/29/08-Hiralkumar Patel. visited site. met employee (who refused to give their names) at Brink elevator. found one tank enclosed in concrete vault, inside basement. gauge was not working. no oil stains found around tank or boiler. basement floor found in good condition, inside tank room area as well as in storage area. no other tanks found at site at 670 Grand Concourse.

visited site at 676 Grand Concourse also. found total of 14- 275 gal tanks. six were disconnected and eight tanks were in-use. no oil stain found on floor. car wash operation has been ceased.

spoke with Donnie Morrelli at Brink elevator. he is tenant at building and NYC HPD was owner prior to NYC DOT. as per Mr. Morrelli, city was maintaining building and ordering oil for tank system. as per Mr. Morrelli, it is 1000 gal tank.

spoke with Ms. REddy. asked her to find whether city was operating and maintaining tank system, as required tank system test.

02/04/08–Hiralkumar Patel. received reports from NYC DOT.

abstract of Phase I report for 676 Grand Concourse:

– phase I done in May 2005 – subject property is built full with a partial two story plus basement structure – Cutlass Enterprises, inc. currently occupies the western portion of the site and operates a car wash and vehicle maintenance operation – western portion of subject property includes a second floor that is occupied by a church and office space – majority of eastern portion of the subject property along concourse village west is currently not in use and, according to current owner, was once occupied by a plastics manufacturing operation – suspect vent pipes and possible fill port were observed attached to the exterior northeast wall of the former plastic area – two additional suspect vent pipes are located along the exterior eastern wall of the former plastic manufacturing area between the two bay doors along concourse village west. – petroleum or chemical like staining was apparent at some areas of the walls and floors – a pipe trench system exists in the floor of this area that was observed to contain water and a petroleum like sheen – EPM conducted soil and groundwater sampling in 2000 in the Metro–North railroad storage yard adjacent to east of the subject property; relatively low concentrations of SVOCs were detected in some of soil samples; no significant groundwater contamination was detected <----- – URS corp. conducted soil and groundwater sampling in 2001 at a former Metro–North property located at 3001 Concourse Village East (northeast of subject property) on behalf of the NYC School construction authority; groundwater found contaminated at this school site (spill reported as found groundwater contaminated. spill #: 0105833. spoke with Srinivas Kanaparthi 718–472–8620 at NYC school construction authority. he mentioned that site is under Brownfield cleanup program. C203030) <-----

as per Phase I for 670 Grand Concourse, only recognized condition found was 1080 gal #2 tank in basement.

02/13/08–Hiralkumar Patel. spoke with Ms. Reddy. they are currently working to hire contractor for soil investigation and tank test at 670 Grand Concourse. mentioned to Ms. Reddy about suspect vent and fill box at former plastic factory area in 676 Grand concourse. the department may requires soil investigation at former plastic factory area also.

03/25/08–Hiralkumar Patel. left message for Ms. Reddy. received call from Ms. Reddy. contractor did soil delineation inside and outside of 676 Grand concourse. will submit report by end of April, 2008.

05/16/08–Hiralkumar Patel. received investigation report from EPM. abstract:

– three soil borings (B–15, B–16 and B–17) advanced at 670 grand concourse (nearby previous boring B–11 and suspect anomaly) – boring B–15 advanced to four ft below concrete sub–basement floor at 670 grand concourse in the vicinity of AST – boring B–15 was completed at 25 ft bg and was located east of previous boring B–11, mid–way between B–11 and a previously suspected UST – boring B–17 was completed to 25 ft bg and was located immediately south of suspect UST – later determined that the suspect UST anomaly identified under sidewalk by GPR was due to underground piping entering the building at 670 grand concourse – one composite sample was collected from B–15 and three composite samples were collected from each of boring B–16 and B–17 – groundwater is expected to be located at least 50 ft bg <----- – no contamination found in any samples

discussed with DEC Vought. he suggested for Sensitive Receptor Survey as school is located across (and possibly down gradient from) Grand Concourse.

05/20/08–Hiralkumar Patel. spoke with Ms. Reddy. asked her to perform sensitive receptor survey. also asked her to submit tank test result.

sent letter to Ms. Reddy requiring submission of exposure assessment. letter emailed to Ms. Reddy alongwith requirement of tank test for tank located at 670 Grand Concourse.

06/19/08–Hiralkumar Patel. received call from Ms. Reddy. they will submit exposure assessment report with tank test by 07/10/08.

07/02/08–Hiralkumar Patel. received exposure assessment report from DOT.

based on all available reports, case closed.

Map Identification Number 119**EQUINOX X 149 ST OF DEGAN**

475 EXTERIOR STREET

BRONX, NY

Spill Number: 9611101**Close Date: 01/10/1997**

TT-Id: 520A-0008-573

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 1064 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Local Agency

Caller Name: LUCE

DEC Investigator: O'DOWD

Spiller: SAME

Notifier Name: TOM MILURA

Caller Agency: NYS DEC

Contact for more spill info: UNK

Spiller Phone:

Notifier Phone: (212) 219-5040

Caller Phone: (718) 482-6454

Contact Person Phone:

Category: Known release which created a fire/explosion hazards (inside or outdoors), drinking water supply contamination, or significant releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/03/1996		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
LITHIUM	OTHER	0	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

MATERIAL IS POSS LITHIUM BROMIDE – NON PUTRESSALE SOLID WASTE FACILITY – NYC DOS INSPECTOR MILURA OBSERVED AN UNKNOWN SUBSATNCE RUNNING FROM FACILITY INTO HARLEM RIVER – POSSIBLY LIHTIUM BROMIDE SPILL FAXED FROM REGION 2

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

REFERRED TO NYCDEP.

1/10/97 DEC SOLID WASTE ISSUED VIOLATIONS AGAINST EQUINOX FOR ACCEPTING WASTE THEY WEREN'T PERMITTED FOR, FACILITY WAS CLOSED, THEY WERE ALSO REQUIRED TO PROPERLY DISPOSE OF THE WASTE.

Map Identification Number 120 	PIER # 4 BRONX TERMINAL M EAST 150TH	BRONX, NY	Spill Number: 0609955	Close Date: 10/10/2007 TT-Id: 520A-0014-592
MAP LOCATION INFORMATION Site location mapped by: MANUAL MAPPING (5) Approximate distance from property: 1091 feet to the W		ADDRESS CHANGE INFORMATION Revised street: E 150TH ST Revised zip code: 10451		
Source of Spill: UNKNOWN	Spiller: REBECCA DARR – PIER # 4 BRONX TERMINAL M		Spiller Phone: (718) 344-3853 ext. C ext: CELL	
Notifier Type: Local Agency	Notifier Name:		Notifier Phone:	
Caller Name:	Caller Agency:		Caller Phone:	
DEC Investigator: SFRAHMAN	Contact for more spill info: REBECCA DARR		Contact Person Phone: (718) 344-3853 ext. C ext: CELL	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/01/2006		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SOIL SAMPLES SHOW CONTAMINATED SOIL , GROSSLY CONTAMINATED PETROLEUM SOIL: AN APPARENT HISTORIC SPILL , NO BURIED STORAGE TANKS:

DEC Investigator Remarks:

Sangesland spoke to Rebecca Darr with the city. They are building a city park on this pier and found contaminated soil. There

were NO petroleum tanks on the site. She believes this location was used to refuel trucks from an old surface tank. Problem is all due to spills of petroleum during fueling of trucks when this was an industrial facility. Langan Engineering will have this job by Jan 1, 2007 (Jason Hayes 212-479-5427) 06/21/07 Rahman- Email from Langan Engineering states below the remedial action plan:(in edocs, too) This email pertains to the remediation of petroleum-contaminated material associated with spill No. 06-09955 on Bronx Terminal Market Pier 4 near the intersection of Exterior Street and East 150th Street, Bronx, New York. Per our telephone conversation on April 30, 2007, which covered a review of site conditions and the progress of remedial activity, we have agreed to proceed according to the following: 1) Northern Portion of Pier 4 (previous investigation locations TP3, ETP0404, ETP0406 to ETP0408, PW5) - As we discussed, the remediation contractor has completed several test pits on the northern portion of Pier 4 in order to further investigate/delineate a light petroleum odor observed during previous investigation test pit excavations on the northern portion of the site. Observation of the previous investigation location test pits and adjacent area test pits show that the previously observed odor appears to have dissipated or was potentially due to old timbers observed in the excavations. We agreed that in previous investigation locations with the conditions described, we will document the conditions of each test pit (odor, visual, instrument readings) and collect a soil samples for laboratory analysis (TAGM 4046 volatile organic compounds and semi-volatile organic compounds) approximately 6-inches above the water table. Provided that the analytical results are consistent with historical fill in the area and no indicators of petroleum contamination (petroleum odor, petroleum staining, or elevated instrument readings) are observed, the area will be considered complete per NYSDEC spill remediation requirements. 2) Southern / Central Portion of Pier 4 - As we discussed, a test pit was also performed on the southern portion of Pier 4 in order to investigate/delineate findings from previous investigations. A test pit near previous investigation locations PW 6 and PB0604(W) found grossly-contaminated petroleum soil. We agreed that the area would need to be mass excavated to remove the petroleum-contaminated material, with the appropriate endpoint samples collected (base and sidewall) and submitted for analysis by TAGM 4046 volatile organic compounds and semi-volatile organic compounds. Previous groundwater samples at the site do not appear to show impacts from the observed petroleum contamination. As a result, no additional groundwater sampling will be performed and we do not anticipate the need for a chemical oxidation program. 3) Similar to the Pier 2 & 3 remediation, backfill of the remedial excavations shall consist of crushed 3/4-inch stone to approximately 1 foot above the water table, geotextile fabric on top of the gravel layer (to keep the soil backfill separate), and compacted soil to grade level. Site overburden soils not impacted with petroleum will be reused on-site as backfill where possible. All Soil brought on-site to be used as backfill will contain no exceedances of the NYSDEC Technical and Administrative Guidance Memorandum 4046 Recommended Soil Cleanup Objectives (TAGM 4046 RSCOs), which will be demonstrated by one composite soil sample per 1,000 cubic yards of backfill. (SR) 10/04/07 Closure report by Langan Engineering. As per Langan, all grossly contaminated soil identified within the bounds of the site was removed. Excavation completed one foot below the ground water table with the exception of the northwest section of the main excavation. Excavation proceeded to four feet below the groundwater table. 4690 tons of petroleum contaminated soil were removed and disposed. Approx. 500 linear feet of impacted subsurface piping were removed and disposed. Harlem river shoreline surrounding Pier 4 showed no petroleum impacts. End point sample analytical results show no VOC exceedances were detected in the sample, SVOC exceedances typical of historic fill were detected in the sample. Details in report. Spill closed. (SR)

Map Identification Number 121**BROWNFIELD PRO #C203015**
49 BRONX TERMINAL MARKET

BRONX, NY

Spill Number: 0702081**Close Date: 07/11/2007**
TT-Id: 520A-0013-830

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING – LARGE SITE
Approximate distance from property: 1151 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 10451

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Other

Caller Name:

DEC Investigator: jbschapiro

Spiller: DOANE CAFFERTY – BROWNFIELD PRO #C203015

Notifier Name:

Caller Agency:

Contact for more spill info: DOANE CAFFERTY

Spiller Phone: (917) 882-7164

Notifier Phone:

Caller Phone:

Contact Person Phone: (917) 882-7164

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
05/21/2007		OTHER	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL		PETROLEUM	75.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

WHILE MAKING A DELIVERY DRIVER HIT A STEEL PIPE AND RUPTURED TANK: BEING CLEANED UP AND REMOVING TRUCK : DEC IS OVERSEEING SITE

DEC Investigator Remarks:

Brownfield case is being managed by J. Shapiro

7.11.07: Closed based on sample results submitted by consultant. Results are in eDocs.

Map Identification Number 122**RESIDENTIAL**
702 GRAND CONCORDE

BRONX, NY

Spill Number: 1802478**Close Date: 08/27/2019**
TT-Id: 520A-0341-235

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1165 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 702 GRAND CONCOURSE
Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Other
 Caller Name:
 DEC Investigator: SJWALSH

Spiller: BCP SITE C2 03092
 Notifier Name:
 Caller Agency:
 Contact for more spill info: GORDANNA KENDROT

Spiller Phone:
 Notifier Phone:
 Caller Phone:
 Contact Person Phone: (631) 741-7142

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
06/02/2018		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

20 cubic yards of soil is the area impacted. The cleanup is pending . They are digging the area impacted as a right now

DEC Investigator Remarks:

6/2/18 TJD Teleconference with notifier, Jordanna Kendrot from GEI consultants – who states location is an active BCP Site (C203092). Spill is reported to be associated with a historical 550 UST of unknown origin. Consultant stated this sit is being managed out of DEC CO (Steven Walsh).

6/4/18 TJD Received email from notifier – forwarded to Steven Walsh with question regarding spill assignment. Does CO want spill reassigned to existing project manager or closed and cross-referenced to BCP site number. Awaiting response. Body of email from consultant is below:

When they sent me the original email concerning the spill, they made it seem like there was an active spill from a newly discovered 550-gallon UST, which had impacted the surrounding 20 CY of soil. Now that they actually sent pictures/I was able to talk with them further, it looks like it was just stained soil located under the concrete slab that was under the tank (once it was pumped out/removed). The impacted soil looks like it could be attributed to a historic spill associated with the historic operations of the Site, and does not seem like it is the component of an ^active~ spill (i.e., there is no standing oil on the surface, the soil is not saturated with product, the staining is faded/old, and the PID readings from the area were minor [less than 200ppm]).

This stained soil will be managed under the BCA for BCP Site No. C203092 and will be excavated and sampled to confirm removal of petroleum impacts. The Site Manager for this Site is Steven Walsh in Albany, NY. He has not been contacted yet about the spill due to the new information/me sending this email to you to clarify that information.

The purpose of this email is to confirm if this incident should still be listed as an active NYSDEC Spill No. 18-02478, or if this incident can be closed due to new information provided in this email. Please feel free to give me a call or email to discuss this further. It's really me confirming if this stained soil observation should even be considered a spill, since there

was no liquid discharge present.

6/5/18 TJD Received email from DEC Central Office Project Manager (Steven Walsh) You can put the spill in my name. Our group has been leaving the spills open until the COC is issued.

Spill has been reassigned.

20191127 – Spill has been remediated as part of the BCP soil excavation. SJW

Map Identification Number 123		HARLHEM RIVER		Spill Number: 0306776		Close Date: 09/29/2003	
		145TH STREET BRIDGE		BRONX, NY		TT-Id: 520A-0014-591	
MAP LOCATION INFORMATION Site location mapped by: MANUAL MAPPING (4) Approximate distance from property: 1197 feet to the WSW				ADDRESS CHANGE INFORMATION Revised street: 145TH ST Revised zip code: 10451			
Source of Spill: COMMERCIAL/INDUSTRIAL		Spiller: NYC DOT		Spiller Phone:			
Notifier Type: Local Agency		Notifier Name: BINAKIN PATEL		Notifier Phone: (212) 569-5100			
Caller Name: BINAKIN PATEL		Caller Agency: NYC DOT		Caller Phone: (212) 569-5100			
DEC Investigator: TJDEMEO		Contact for more spill info: BINAKIN PATEL		Contact Person Phone: (646) 235-1895			
Category:	Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.						
Class:	Any Type of RP, Including No RP – DEC Field Response – Corrective Action Not Required or Not Possible						
Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
09/26/2003		OTHER	NO		NO		
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected	
CONSTRUCTION MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL	
Caller Remarks: caller states that part of the construction decking under the bridge collapsed but nothing has spilled or fallen – the decking is just rotted out and is hanging from the bridge							
DEC Investigator Remarks: Prior to Sept, 2004 data translation this spill Lead_DEC Field was DEMEO Non regulated material No spill							

Map Identification Number 124**RESIDENTS**

730 GRAND CONCOURSE

BRONX, NY

Spill Number: 1412201**Close Date: 03/30/2015**

TT-Id: 520A-0306-392

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1249 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING

Notifier Type: Other

Caller Name:

DEC Investigator: vszhune

Spiller: RIZZO - UNKNOWN

Notifier Name:

Caller Agency:

Contact for more spill info: RIZZO

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (347) 465-1112

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/28/2015		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	40.00	GALLONS	0.00	GALLONS	
#4 FUEL OIL	PETROLEUM	40.00	GALLONS	0.00	GALLONS	

Caller Remarks:

caller reporting spill to concrete driveway, clean up is pending

DEC Investigator Remarks:

3/30/15-Zhune responded to this spill. Spoke to Mr. Rizzo the superintendent. As per Mr. Rizzo the oil company overfilled the tank. Approximately 40 gallons of oil #4 came by the vent pipe and it went onto the concrete floor of the garage. No drain, no soil impacted. Riteway cleaned the spill. At the time of my inspection the spill spill was cleaned. There was drums with the contaminated material that they removed to clean the spill. I spoke to Anthony Lara from Rite way. He said they were on the way to remove the drums. Spill Closed.

Map Identification Number 125**PRIVATE DWELLING**

710 GERARD AVE

BRONX, NY

Spill Number: 0910843**Close Date: 02/19/2010**

TT-Id: 520A-0247-976

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1343 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING	Spiller: CHIEF ENERGY	Spiller Phone:
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name:	Caller Agency:	Caller Phone:
DEC Investigator: SFRAHMAN	Contact for more spill info: FAISSO ALDASARI	Contact Person Phone: (917) 682-3008

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended

01/06/2010		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

50+ GALLONS SPILLED ONTO SOIL AS A RESULT OF A TANK OVERFILL, NYC DEP HAZMAT ON SCENE FOR CLEANUP.

DEC Investigator Remarks:

Sangesland spoke to FAISSO ALDASARI from NYC DEP. He said approx 50 gal of oil came out vent line onto sidewalk, curb, down the block and into a storm drain. *** When did this happen? Why didn't the oil company call it in?**** *** Who will clean the storm drain?***

01/07/09 Responded to the site on 01/06/10 evening. Observed loose oil and speedy dry on sidewalk and along the curb. Strong odor of oil in that area. Oil travelled down the street and entered into a storm drain. NYC DEP Hazmat responded. I contacted Chief Energy, and asked them to hire a contractor. They hired Alliance Mechanical to do the clean up. Building Super told me the spill occurred while the driver was pumping oil through the fillport. Undetermined quantity. DEP estimated 50 gallon. Pictures in edocs. Building super did not provide me access to the tank room for an inspection. I spoke with the Building Manager, Ms. Malindaz and she told me to come back later on after the spill is cleaned up. Then I called an ECO for assistance and with ECO Nathan Favreau, inspection was done. A 3,000 gallon tank, cemented all over it with no weep holes located in the boiler room (PBS:2-114472). Observed oil in the sump by the boiler (pictures in edocs). Tank tightness testing required (annually—as the tank is unmetered). No PBS certificate was available in the building. Tank is reported as aboveground in the PBS certificate, fillport not color coded. Alliance cleaned up the spill on sidewalk and will go back to clean the storm drain. (sr)

02/19/10 Rec'd closure report from Alliance Mechanical. Alliance arrived at the scene on 01/06/10 evening and discovered that oil had travelled across sidewalk, into gutter and down to corner drain @ E 153rd Street. Contaminated sand and dry soil were picked up. Tank was tested and weep holes were installed. Sump pump pit in the boiler room was cleaned up. Two soil samples were taken from the planter near fill box. Report in edocs. (sr)

Map Identification Number 126**725 EXTERIOR ST**

725 EXTERIOR ST

BRONX, NY

Spill Number: 9703953**Close Date: 02/28/2003**

TT-Id: 520A-0362-497

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)

Approximate distance from property: 1353 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10451

Source of Spill: COMMERCIAL VEHICLE

Notifier Type: Responsible Party

Caller Name: FRANK MASSERIA

DEC Investigator: CAENGELH

Spiller: FRANK MASSERIA - CON ED

Notifier Name: MR BUCCI

Caller Agency: CON ED

Contact for more spill info: FRANK MASSERIA

Spiller Phone: (212) 580-6764

Notifier Phone:

Caller Phone: (212) 580-6763

Contact Person Phone: (212) 580-6764

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
07/01/1997		OTHER	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
TRANSFORMER OIL		PETROLEUM	3.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

PRODUCT CONTAINS 50 PPM PCB'S - TRUCK WAS TRANSPORTING PRODUCT WHEN CONTAINER TIPPED CAUSING PRODUCT TO SPILL ON ROADWAY - CLEAN UP CREW ON SCENE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was ENGELHARDT e2mis 108859

AT 13:30 HRS I&A MECH ADAM SEPOVODA REPORTED TO HISSUPERVISOR THAT OIL FROM A 5 GALLON COCTAIL DRUM WHICH WAS APROX 2/3 FULL HAD SPILLED ABOUT 3 GALLONS ONTO BACK OF TRUCK AND PAVEMENT WHEN TRUCK WENT OVER A BUMP IN THE ROAD. SUPERVISOR NOTIFED HER DISPATCHER OF INCIDENT AND GAVE INFORMATION TO HER DISPATCHER TO ENTER ON INCIDENT REPORT. I&A DISPATCHER THEN NOTIFIED THE CONTROL CENTER OF INCIDENT WHICH WAS AT 1410 HRS. AT THAT TIME INFORMATION ON THE FORM WAS REVIEWED AND CIG NOTIFICATION WAS ATTEMPTED. NO ANSWER TO PHONE. CREW WAS PERFORMING CLEAN UP UNDER ASSUMPTION THAT DRUM CONTENTS WERE BETWEEN 50 AND 499 PPM. R FURINO 52437 1/JUL 1997

RESULTS RECIEVED 97-07866 8 PPM

Map Identification Number 127 **PIER 2 BRONX TERMINAL MARKET**
 725 EXTERIOR ST

BRONX, NY

Spill Number: 0811775**Close Date: 07/10/2009**
TT-Id: 520A-0362-498

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)

Approximate distance from property: 1353 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name:

DEC Investigator: rvketani

Spiller: UNKNOWN

Notifier Name:

Caller Agency:

Contact for more spill info: JASON HAYES

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (917) 859-4908

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/28/2009		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER STATES THAT THERE IS PETROLEUM CONTAMINATED SOIL. THIS IS A HISTORIC SPILL. CLEAN UP IS PENDING.

DEC Investigator Remarks:

1/29/09 – Raphael Ketani. Joel Landis and Joe Good of Langan Engineering called me to discuss the case. They said that the spill was called in because test pits were being performed in part of the old Bronx Terminal Market area and contaminated soil was found. They said that two other contaminated areas were discovered previously. At least some of this contamination was from a spill that happened several years ago. The old Bronx Terminal Market grounds were mostly along the Major Deegan Expressway (the present site of the new mall for Target and Home Depot), but a small part was next to the new Yankee Stadium. It is this small area that has the contamination and concerns this case.

Right now, there is a project to replace and rebuild the tennis courts at this small part of the old Bronx Terminal. They want to drive piles for some small buildings that will be next to the new tennis courts. They will send a plan to DEC for the digging, stockpiling, and removal of the contaminated soil. They told me that they want to get rid of the soil fast. Excavation and stockpiling will take place next week. I told them that I will look at the plan when they send it.

Mr. Good sent me the work plan by e-mail.

2/4/09 – Raphael Ketani. I spoke to Mr. Good and Jason Hayes (both of Langan) regarding why they wanted to dig just in this small area and not the whole area of piers 2 and 3. They said that the great majority of the areas had already been excavated and cleaned up. They said that Sharif Rahman of Region 2 Spills had been the case manager and had overseen the project (see spill cases #0609955 and #0712507). They added that the contaminated area was discovered during a trenching operation and appeared to be an isolated location.

I reviewed the work plan. It appeared to be a standard or routine set of proposed remediation operations and soil sampling. Based on these methods and the fact that the future use of the site is as a set of tennis courts, I approved the plan. I sent Mr. Good the approval by e-mail.

2/23/09 – Raphael Ketani. Mr. Good (212) 479-5427 left me a voice mail today. He said that he will visit the site today to observe the excavating and soil sampling.

2/25/09 – Raphael Ketani. Mr. Hayes called me this morning. He said that they did an excavation of 30' by 90'. Then they did additional test pitting at the site. This made them realize that there was more contaminated soil to remove. So they extended the excavation until it was 90' by 80'. One corner was found to be deeply contaminated. So they started digging. They dug down 3' below the water table during low tide. Mr. Hayes said that they were into the organic silt that was originally at the bottom of a small former inlet which is under the site. He said that they are 12' below the surface and the oil appears to be thick and old, and like #6 oil. He said that they are below the capillary fringe for the water table. Mr. Hayes said that he would like to stop digging. I told him that since he has dug below the capillary fringe and will remove the oil that was found, then he can stop digging.

3/18/09 – Raphael Ketani. I tried to contact Mr. Hayes, but could only leave a message.

Mr. Hayes called me back shortly afterwards. He said that they excavated 5,000 square feet of area. They took 22 end point samples. Two samples came back too high. So they will over excavated these areas. The contaminated soil is being removed right now. The excavation work will take place next week.

4/16/09 – Raphael Ketani. Mr. Hayes e-mailed me and wrote that they had finished the excavating and sampling. The closure report will be sent out soon.

7/9/09 – Raphael Ketani. Mr. Hayes called requesting the status of the case. I told him that the case was still open. He asked why. I told him that I hadn't received the closure report. He sounded embarrassed and said that he will send it to DEC very shortly.

I received the Spill Closure Report dated 5/27/09 by express delivery service.

7/10/09 – Raphael Ketani. I reviewed the closure report and found it to be acceptable.

Based upon the information in the 5/27/09 Closure Report, I have determined that the oil spill has been remediated and there is no threat to human health or the environment at this time from conditions at this site. Therefore, I am closing the spill case.

Map Identification Number 128**MANHOLE # 9489**

WALTON AVE EAST 144TH ST.

BRONX, NY

Spill Number: 0312991**Close Date: 06/01/2004**

TT-Id: 520A-0009-114

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1376 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: WALTON AV / E 144TH ST

Revised zip code: 10451

Source of Spill: UNKNOWN
 Notifier Type: Responsible Party
 Caller Name: RON ELLIOTT
 DEC Investigator: SKARAKHA

Spiller: UNKNOWN
 Notifier Name: MR. ROHRER
 Caller Agency: CON EDISON
 Contact for more spill info: RON ELLIOTT

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

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
02/25/2004		UNKNOWN	NO		NO		
Material Spilled	Material Class		Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
CABLE OIL	PETROLEUM		0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

One Pint of cable oil was spilled in a manhole. Not sure of the source or cause. Cleanup has not been done at this time.

DEC Investigator Remarks:

e2mis 152227

25-Feb-2004 12:08 Oper Superv G.Meiers 14850 reports while on location to inspect MH-9489 associated with Fdrs X0/ Fdr2X12 discovered 1 pint of cable oil on 75 gallons of water. No smoke or fire is/was involved. No sewers, waterways, or private property affected. There is D-fault at that location and the associated feeder(s) need to be deenergized before the cleanup can commence. Env tag 31941 was placed and a pcb sample on DD08222 was placed.

Lab Sequence Number: 04-01403-001 PCBs < 1 ppm

Flush Mech O.Negron 18400 reports MH-9489 was double washed and rinsed and CFS tanker removed 950 gallons of non-hazardous liquid and will remain on location due to oil and water still coming through the ducts. The flush truck removed 8lbs. of solids to be brought to Hellgate pit for temporary disposal and the tag is still in place until the cable is repaired. The repair in that location is on poly cable and is not the source of the oil.

Operating Supervisor Joe McMahon, 14620, reports no oil is coming through ducts, clean water is coming from the ducts, the cable has been repaired, the tanker has been dismissed. There is no sign of source of oil remaining in the structure.

Map Identification Number 129**VAULT # 3200**

231 EAST 149 ST NEAR PARK AVE

BRONX, NY

Spill Number: 0508092**Close Date: 12/01/2005**

TT-Id: 520A-0010-008

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1525 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: 231 E 149TH ST

Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Responsible Party

Caller Name: PAUL DEDONOTO

DEC Investigator: GDBREEN

Spiller: ERT DESK - CON EDISON VAULT #3200

Notifier Name: PAUL DEDONOTO

Caller Agency: CONED

Contact for more spill info: ERT DESK'

Spiller Phone: (212) 580-8383

Notifier Phone: (212) 580-6764

Caller Phone: (212) 580-6764

Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/06/2005		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
TRANSFORMER OIL	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

NO TO 5 QUESTIONS CLEAN UP PENDING DEENERGIZING : CONED # 161408

DEC Investigator Remarks:

161408.000

06-Oct-2005 11:45. Outside Plt Mech A S. Robinson 86427 reported while on location for a repairs discovered 2 gallons of transformer oil in dirt and debris on the concrete floor of V-3200-Fdr 2X13. No smoke or fire is/was involved. No sewers, waterways, or private property affected. Env tag 40591 was placed and a pcb sample was taken on DD14039. Massive is needed to gain access to the location which is on the sidewalk. D. Rohrer 12788

Closed. 12-1-05. see eDocs. GB

Map Identification Number 130**EXCAVATION SITE**

180 EAST 156TH ST

BRONX, NY

Spill Number: 1801890**Close Date: 11/15/2018**

TT-Id: 520A-0341-068

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)

Approximate distance from property: 1546 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name:

DEC Investigator: SJWALSH

Spiller: JORDANNA KENDROT - UNKNOWN

Notifier Name:

Caller Agency:

Contact for more spill info: JORDANNA KENDROT

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (631) 759-2975

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
05/18/2018		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM		PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

5 tanks in a concrete holder ea. tank 550 gallons former auto repair facility clean up pending

DEC Investigator Remarks:

05/21/18-Hiralkumar Patel. alternate address: 747 Concourse Village West

no other spills or PBS found.

as per NYCDOB record, a permit application was approved on 10/16/17 for construction of new 10-story residential building with a cellar.

8:38 AM:- spoke with Jordanna who mentioned that the site is being managed by DEC Steven Walsh under VCP (# C203091).

case assigned to DEC Walsh.

20191127 - Spill was remediated as part of the BCP soil excavation. Site was excavated to depth and covered with building

elements on 20181115. SJW

Map Identification Number 131**IN THE RIVER**

145TH STREET BRIDGE

MANHATTAN, NY

Spill Number: 0701308**Close Date: 05/03/2007**

TT-Id: 520A-0102-435

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 1586 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: W 145TH ST

Revised zip code: 10037

Source of Spill: UNKNOWN

Notifier Type: Other

Caller Name:

DEC Investigator: smsanges

Spiller: NOT AVAILABLE

Notifier Name:

Caller Agency:

Contact for more spill info: KAMBIZ RAIZI

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (718) 764-0698

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
05/01/2007		UNKNOWN	NO				
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected	
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SURFACE WATER	

Caller Remarks:

APPEARS TO BE OIL TRAVELING NORTH ON THE HARLEM RIVER; NOT CONTAINED OR CLEANED;

DEC Investigator Remarks:

City DOT building next to bridge saw a sheen seen on water – Coast Guard was notified

Sheen was approx 30 ft long and 10 ft wide. By the time DEC called, the sheen was breaking up. No action will be taken.

Map Identification Number 132 **HERLEM RIVER**
 145TH STREET BRIDGE

MANHATTAN/BRONX, NY

Spill Number: 0609701

Close Date: 11/24/2006
 TT-Id: 520A-0102-434

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
 Approximate distance from property: 1586 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: 10037

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Other
 Caller Name:
 DEC Investigator: SFRAHMAN

Spiller: KIEWIT- TULLY CONTACTING
 Notifier Name:
 Caller Agency:
 Contact for more spill info: ASBDI HEDAYATI

Spiller Phone: (718) 764-0388
 Notifier Phone:
 Caller Phone:
 Contact Person Phone: (646) 996-8566

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/24/2006		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

LOST 8 PIECES OF PRECAST CONCRETE; COST GAURD NOTIFIED AND WATER WAY SHUT DOWN; BARGE BEGAN TO TALE ON WATER; NOT YET CLEANED WHILE HAVE DIVERS TO RETRIVE PIECES;

DEC Investigator Remarks:

11/24/06 Rahman- No spill.

Map Identification Number 133 **U HAUL #803-68**
 368 WALTON AVE

BRONX, NY

Spill Number: 0012172

Close Date: 06/30/2003
 TT-Id: 520A-0007-333

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 1660 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	REID RINER – U-HAUL	Spiller Phone:	(602) 263-6647
Notifier Type:	Other	Notifier Name:	SAME	Notifier Phone:	
Caller Name:	DAVID WINSLOW	Caller Agency:	ATC ASSOCIATES	Caller Phone:	(212) 353-8280
DEC Investigator:	MXTIPPLE	Contact for more spill info:	REID RINER	Contact Person Phone:	(602) 263-6647

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/23/2000		UNKNOWN	NO	NO

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

Caller Remarks:

SOIL AND GROUNDWATER SAMPLES FROM ABOVE LOCATION REVEAL CONTAMINATION. CALLER HAS SPOKEN TO REGIONAL OFFICE 2 AND WILL FOLLOW UP WITH THEM.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIPPLE 6/30/03 TIPPLE UPDATING// SEE SPILL # 93-07897

Map Identification Number 134 **LINCOLN HOSPITAL AMBULANCE BAY**
 234 EAST 149

BRONX, NY

Spill Number: 0912687

Close Date: 08/19/2011
 TT-Id: 520A-0249-055

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 1701 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: 234 E 149TH ST
 Revised zip code: 10451

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	SPRAGUE DIESEL	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	smsanges	Contact for more spill info:	JOHN HEALY	Contact Person Phone:	(347) 865-3201

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
03/05/2010		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL		PETROLEUM	30.00	GALLONS	0.00	GALLONS	

Caller Remarks:

storm drain getting pumped out – rest of cleanup pending

DEC Investigator Remarks:

Cross Ref 0912680 has been closed out.

Sprague delivered diesel to an emergency generator tank at the hospital and over filled the tank. 30 gal came out the vent line and spilled to the ground and went into a city storm drain. Surface spill was cleaned quickly and most of the diesel was contained away from the drain. a small amount of diesel went down the city storm drain. DEP is on site and Hospital has hired Vinny at Island Tank (718-967-9424) to do cleanup.

Map Identification Number 135 **LINCOLN HOSPITAL**
 234 E 149TH ST

BRONX, NY

Spill Number: 0204573

Close Date: 12/02/2015
 TT-Id: 520A-0007-493

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 1701 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: 10451

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Responsible Party
 Caller Name: ISAAC MUNGRA
 DEC Investigator: HRPATEL

Spiller: ANTHONY J LARA – LINCOLN HOSPITAL
 Notifier Name: ISAAC MUNGRA
 Caller Agency: PETROLEUM TANK CLEANERS
 Contact for more spill info: ANTHONY J LARA

Spiller Phone: (646) 772-7180
 Notifier Phone: (718) 624-4842
 Caller Phone: (718) 624-4842
 Contact Person Phone: (646) 772-7180

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
07/30/2002		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

cleanup in progress

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was SANGESLAND 7/31/2002 – Sangesland spoke with Isaac at Petroleum Tank Cleaners (718-624-4842). PTC was doing some excavations around the stick valves of several buried tanks at Lincoln Hospital.

PTC has started excavations in the area and will continue with hopes of getting clean end point samples.

Tanks were probably tank tested recently. Sangesland will check PBS for the site.

8/2/2002 – Sangesland spoke with Isaac at PTC. He said they dug out quite a bit of contaminated soil, but didn't get it all. Because of the location of the excavation, PTC had to back fill the site with sand.

PTC says they found an old gasoline tank which was empty, but had not been closed out. This tank was located adjacent to the fuel oil tanks they knew about.

PTC was given direction to: 1) Delineate the site in 3-D. 2) Determine GW level and direction 3) Prepare & submit a remediation work plan

4) Process the documentation to properly close out the tank(PBS)

8/2/2002 – Mark Robbins contacted the DEC to say his firm (HydroTech 631-462-5866) was going to bid on doing a delineation/remediation at the site.

8/13/2002 Sangesland spoke with Mark Robbins. Mr. Robbins requested a letter from the DEC outlining the list of work required on this site. This is needed by the Hospital to process a purchase order.

4/29/2005 Sangesland spoke to Mark Robbins at HydroTech. They have 4 wells which have been under long term monitoring. Mark believes the site may be close to close out.

14-16 ft

PBS #: 2-327727. as per PBS record, the site has/had following tanks: – four (4) 50,000 gal #2 oil USTs, in-service, installed

in Sep. 1970 – two (2) 10,000 gal diesel USTs, in-service, installed in Sep. 1970 – one (1) 100 gal diesel AST in contact with impervious barrier, in-service, installed in Sep. 1970 – one (1) 275 gal diesel AST in contact with impervious barrier, in-service, installed in Oct. 2009 – one (1) 100 gal diesel AST on legs, removed in Nov. 2009

PBS registration expired on 08/28/2012. -----

other spills: 9208811, 9310375, 9515003, 0313236, 0912680, 0912687, 1206812, 1502628

spill #: 9208811 was reported on 10/30/1992 due to 3 gal #2 oil spill. case closed. spill #: 9310375 was reported on 11/26/1993 as 30 gal #6 oil spilled into sewer due to tank overfill. case closed. spill #: 9515003 was reported on 02/22/1996 as 30 gal #6 oil spilled due to truck malfunction. case closed. spill #: 0313236 was reported on 03/02/2004 as 50,000 gal #2 oil tank (tank # 4) failed a tightness test. tank was repaired and tested tight. case closed. spill #: 0912680 was reported on 03/05/2010 as 25 gal diesel spilled onto parking lot and storm drain due to overfill. case closed and referred to spill #: 0912687. spill #: 0912687 was reported on 03/05/2010 due to diesel spill onto parking lot and storm drain. case closed. spill #: 1206812 was reported on 10/10/2012 as 10,000 gal diesel tank (tank # 6) failed a tightness test due to loose gasket. case closed. spill #: 1502628 was reported on 06/09/2015 as 50,000 gal #2 fuel oil tank failed a tightness test. case still open. a TTF letter was sent on 06/16/2015.

1:02 PM:– spoke with Angelo (718–579–4645) in facility department. he mentioned that John Healy is no longer working at the site. he asked to contact Patrick Hallahan.

Patrick Hallahan Chief Engineer Ph. (718) 579–5680 email: patrick.hallahan@nychhc.org

1:05 PM:– left message for Mr. Hallahan. 1:11 PM:– spoke with Dave Krochko (914–448–2266) at Woodard & Curran regarding gw sampling activities. he mentioned that they never received signed proposal from the property owner and still waiting for reply. 2:53 PM:– called office of NYC Health and Hospitals Corp. for point-of-contact regarding the site. site representative asked to send letter to Mr. Raju's attention.

NYC Health & Hospitals Corp. 125 Worth Street New York, NY 10013 Attn.: Ramanathan Raju Ph. (212) 788–3321

3:20 PM:– sent letter to Mr. Hallahan and Mr. Raju including copy of letter dated 08/14/2002 and email dated 06/16/2014. asked them to submit report by the end of 10/16/15 including groundwater sample results and flow direction. also asked them to immediately renew PBS registration. letter emailed to Mr. Hallahan.

09/18/15–Hiralkumar Patel. 11:53 AM:– received message from Evan Trumpatori. he inspected site yesterday to verify location of each monitoring well. during inspection, he noted that five of the wells are actually stick lines for USTs. he only found two (2) 1–inch wells.

Evan Trumpatori Woodard & Curran Ph. (914) 294–2414 (O)

(631) 662–9991 (C) email: etrumpatori@woodardcurran.com

1:25 PM:– spoke with Evan. asked him to sample the two existing wells.

10/20/15–Hiralkumar Patel. received email from Evan (at 4:32 PM on 10/15/15) including sampling report. abstract: – the nearest surface body is the Harlem River, located approx. 1,800 ft west of the site – five of the seven reported monitoring wells were product level gauging ports for USTs – the remaining were 1–inch wells – no free product was present in either well – marginally elevated PID readings (6.5 ppm in MW–1 and 0.3 ppm in MW–2) were noted in both wells and petroleum odor was observed in well MW–2 – both wells were installed to a depth of approx. 20 ft bg – depth to groundwater was approx. 15 ft bg

----- – few VOC compounds noted above limit (max. 46 ppb of n–Propylbenzene) – recommended installation of an additional monitoring wells to determine site specific groundwater flow direction

report includes google view of the site with two well locations, but does not include site sketch with tank systems and its gauging ports.

10:07 AM:– sent email to Evan and asked to submit a site sketch including tank systems, its gauge ports and existing wells. email copied to Leonard Balgobin (Leonard.Balgobin@nychhc.org), Dave Krochko (dkrochko@woodardcurran.com) and Michael Heijden (mvanderheijden@woodardcurran.com).

PBS registration has not been renewed yet.

10/23/15–Hiralkumar Patel. 9:22 AM:– received email from Evan including a google view. as per the submitted map, the north end of the four 50,000 gal tanks are under the existing building.

10/26/15–Hiralkumar Patel. 10:17 AM:– spoke with Evan and inquired him about position of north end of the four 50,000 gal tanks (under the building?). he mentioned that the google pic is old and currently there is a paved concrete area. so north end of the tanks are not under the building. asked Evan to submit a line drawing (with scale).

11/06/15–Hiralkumar Patel. 1:58 PM:– received email from Evan including a scaled site map.

12/02/15–Hiralkumar Patel. after discussing with DEC DeMeo, case closed based on available information (source removal, minimal impact to groundwater and no planned change of property use).

PBS registration has not been renewed yet.

2:01 PM:– sent spill closure letter to Mr. Hallahan. letter emailed to Mr. Hallahan and Evan.

also refer spill #: 1502628.

Map Identification Number 136 **215 E 144TH STREET**
 215 E 144TH STREET

BRONX, NY

Spill Number: 9304620

Close Date: 06/20/1995
 TT-Id: 520A-0008-153

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1715 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Citizen

Caller Name: JAMES

DEC Investigator: CAMMISA

Spiller:

Notifier Name:

Caller Agency:

Contact for more spill info:

Spiller Phone:

Notifier Phone:

Caller Phone: (914) 686-8553

Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/13/1993	06/20/1995	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

GREEN LIQUID COMING FROM HOSE IN MIDDLE OF SIDE WALK SIDE STREET BETWEEN 10 AM AND 1700 – BEST TIME TO SEE THIS CALL JIM ABOUT 2:45 – DEP NOTIFIED.

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

Map Identification Number 137 **PARKING GARGAGE**
 751 CONCOURSE VILLAGE WES

BRONX, NY

Spill Number: 0606610

Close Date: 09/12/2006
 TT-Id: 520A-0013-038

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1736 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: 751 CONCOURSE VILLAGE W

Revised zip code: 10451

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	STEWART RUBINFELD – PARKING GARGAGE	Spiller Phone:	(212) 674–0950
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	SKCARLSO	Contact for more spill info:	STEWART RUBINFELD	Contact Person Phone:	(212) 674–0950

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/08/2006		OTHER	NO	NO

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

Caller Remarks:

DURING SOIL TESTING FOUND CONTAMINATED SOIL;

DEC Investigator Remarks:

09/12/06–Vought–Spill desk duty officer. DEC Andersen requested that spill be assigned to her due to fact that she has another spill open onsite and it requires long term remediation. Spill assigned to Andersen by Vought.

9/12/06: Spill consolidated with 05–51708.

Map Identification Number 138



PS 156

750 GRAND CONCOURSE VIL W.

BRONX, NY

Spill Number: 9803142

Close Date: 06/17/1998

TT-Id: 520A–0009–992

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1865 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 750 W CONCOURSE VILLAGE

Revised zip code: 10451

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type:	Affected Persons
Caller Name:	SHIRLY SYMONDS
DEC Investigator:	O'DOWD

Spiller:	SUMMIT TRANSPORTATION
Notifier Name:	LOUISE
Caller Agency:	ENVIOMENTAL PROTECTION
Contact for more spill info:	MISS OCONNOR (PRINCIPAL)

Spiller Phone:	
Notifier Phone:	(212) 442–9823
Caller Phone:	(718) 595–6777
Contact Person Phone:	(718) 292–5070

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
06/10/1998		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

APPEARS THAT A TRUCK OWNED BY ABOVE COMPANY TRUCK DOT#373936 WAS LEAKING A SMALL AMOUNT OF FUEL OIL LIC ON TRUCK AC696E (NJ) TRUCK #T744PF – MATERIAL DROPPED IN FRONT OF SCHOOL – SUMMIT IS ON SCENE NOW DOING CLEAN UP

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

SPOKE TO MISS O'CONNOR, PUT LAYER OF SAND & DIRT DOWN
WILL CONTINUE TO SWEEP IT AND ABSORB IT UNTIL ABOUT MONDAY WHEN IT SHOULD BE GONE
KERRI O'DOWD WAS ALREADY THERE AT TIME OF THIS CALL BACK @ 3:47PM
CROSS REFERENCE TO SPILL NUMBER 9803123.

Map Identification Number 139 **381 CANAL PLACE**
 381 CANAL PLACE

BRONX, NY 10451

Spill Number: 0306424

Close Date: 10/23/2003
TT-Id: 520A-0012-090

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1872 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Affected Persons
Caller Name: JOHN SCHRETZMAYER
DEC Investigator: CESAWYER

Spiller: AARON MULLER – AARON MULLER
Notifier Name: SAME
Caller Agency: ASSOCIATED ENVIROMENTAL
Contact for more spill info: AARON MULLER

Spiller Phone: (718) 387-0980
Notifier Phone:
Caller Phone: (631) 744-8900
Contact Person Phone: (718) 387-0980

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
09/17/2003		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL		PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

contaminated soil and water discovered from tank removal

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAWYER 10/23/03 1407 Hrs – Sawyer – Rp/Ap Only reported the spill, because DEC's Ed Rossan was on site to check PBS registration and it was same day they were in the process of removing the tank. There is a previous spill open at this address and all notes henceforth shall be under this spill #9903367.

Map Identification Number 140 **211656; MORRIS AVE AND E 153 ST**
 MORRIS AVE AND E 153 ST

NEW YORK, NY

Spill Number: 0814207

Close Date: 08/17/2008
 TT-Id: 520A-0248-077

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1914 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: MORRIS AVE / E 153RD ST
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: DMPOKRZY

Spiller: ERT DESK – CON EDISON

Notifier Name:

Caller Agency:

Contact for more spill info: ERT DESK

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.
 Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
06/02/2008		UNKNOWN				

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	UTILITY

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

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

Map Identification Number 141 **YANKEE STADIUM PARKING LOT**
 RIVER AVE/ EAST 157TH ST

BRONX, NY

Spill Number: 0504523

Close Date: 08/11/2017
 TT-Id: 520A-0007-079

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1936 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: RAILROAD CAR
 Notifier Type: Local Agency
 Caller Name: BECKY KINAL
 DEC Investigator: AAOBLIGA

Spiller: UNKNOWN – UNKNOWN, 3RD PARTY SPILL
 Notifier Name: BECKY KINAL
 Caller Agency: AKRF
 Contact for more spill info: BECKY KINAL

Spiller Phone:
 Notifier Phone: (914) 949-7336
 Caller Phone: (914) 949-7336
 Contact Person Phone: (914) 949-7336

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/15/2005		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

FOUND CONTAMINATED SOIL IN A PARKING LOT. FOUND DURING INVESTIGATION

DEC Investigator Remarks:

7/1/05. J.Krimgold spoke to Becky Kinal (AKRF) they did a Phase 2 for a potential buyer. She will submit analytical and a site map within next 2 weeks.

04/13/06– Case was transferred from Jake Krimgold to Koon Tang.

11/24/08 – Carlson: Emailed David Carlson at NYS Park Department (David.Carlson@parks.nyc.gov) to submit any sampling data they have completed. Received email from David Carlson – Parks Dept. project managers are Frank McCue (718-760-6676) and Patricia Clark.

12/3/08 – Carlson: Received Phase II workplan, but not final report. Final Phase II report must be reviewed before additional requirements can be determined.

12/12/08 – Carlson: Received Subsurface Phase II Investigation Report dated September 2005. VOCs and SVOCS noted in soil and groundwater. Geophysical anomaly noted in parking lot #6. Laboratory analyticals were not included in the copy of the report I received. Left voice message for Becky Kinal AKRF – can she submit laboratory analyticals?

12/15/08 – Carlson: Spoke to Becky Kinal at AKRF, requested lab analyticals and Phase 1 with Sanborns. She will contact Parks and get back to me.

Patricia Clark p 718.760.6718 e patricia.clark@parks.nyc.gov New York City Parks & Recreation Olmsted Center Flushing Meadow Park Flushing, NY 11368

12/24/08 – Carlson: Spoke to Becky Kinal, requested documents were sent to Patricia Clark at Parks. Left voice message with Patricia Clark to followup on status of requested documents.

1/7/09 – Obligado – This case was transferred from Carlson to Obligado as per Tibbe.

1/8/09 – Obligado – Spoke to Patricia Clark. No imminent plans to start construction. They are planning to first further investigate spill and then submit remedial strategy.

1/12/09 – Obligado – Sent Stipulation Agreement to Patricia Clark. Require signature within 30 days. RIWP required within 15 days of execution of Agreement.

1/23/09 – Obligado – STIP executed by Department.

1/27/09 – Obligado – Met Kevin McCarty of HDR on-site to recon site and discuss workplan. Upon arrival, contractors were performing GPR survey to locate potential utilities and former UST and piping locations.

2/17/09 – Obligado – RIWP received by Department

2/25/09 – Obligado – Completed review of RIWP and called Kevin McCarty of HDR. Provided some minor DEC required changes to workplan. He will resubmit the plan with the changes.

3/16/09 – Obligado – Completed review of modified RIWP. Sent approval letter to Patricia Clark at Parks and Rec with cc to Emil Martow (EDC).

6/2/09 – Obligado – Meeting between DEC (Obligado, Tibbe, Mattei, Brevdo, Harrington, Morenzi) HDR (Stowe, McCarty), NYCDPR (McCue), and NYCDPR Capital (Rowland). HDR presented the initial findings of the remedial investigations and proposed a conceptual RAWP for Air Sparge SVE for lot 6 and enhanced Bioremediation for Lot 5. They will submit a formal RI/RAWP. DEC asked

for the RAWP to include a remedial alternatives analysis. DEC requests a pilot test to confirm AS/SVE is viable.

7/13/09 – Obligado – Email from McCarty. They will submit Draft RAWP via pdf for comments.

8/3/09 – Obligado – Conference call with HDR Kevin McCarty and DEC Obligado and Tibbe to discuss RAWP. DEC provided comments/revisions.

9/9/09 – Obligado RI/RAWP submitted.

9/25/09 – Obligado – Called McCarty to discuss a few comments on the RAWP

10/06/09 – Obligado – McCarty submits Addendum letter with some modifications. DEC Sends RI/RAWP approval letter. 11/6/09 – Obligado – I spoke with Kevin McCarty. When they were installing wells at Lot 5 they encountered a void at 11 ft. Possibly a tank. They installed a shallow well and found product in it. They installed deeper well next to it down to the water and found product as well. They will install 6 more wells around the wells with the product, 5 feet away. They will start recovering product weekly.

11/16/10 – Obligado – Email from Kevin – they identified the product to be fuel oil.

1/5/10 – Obligado – I met Kevin McCarty at the site with Frank McCue from Parks and Helen from DER. I inspected the area where the wells were. I asked Kevin to do test pits in that area to see what is down there, to confirm there are no tanks. They will schedule the work.

2/5/10 – Obligado – Email from Kevin, the test pit is scheduled for 2/8.

2/10/10 – Obligado – I received an email from Kevin. They did the test pits and there were indeed tanks. They found at least 3. I emailed Kevin back and requested a tank removal work plan to take the tanks out.

3/10/10 – Obligado – Kevin submits a tank removal work plan memo, describing the work that will be done.

3/11/10 – Obligado – Mark and I provided some comments on the work plan.

3/12/10 – Obligado – The work plan memo was resubmitted and addressed all my comments. They will begin on Monday.

4/20/10 – Obligado – HDR submits UST Removal Report.

5/12/10 – Obligado – DEC approves of UST Removal Report.

8/13/10 – Obligado – According to HDR the system installation is substantially complete. He request performing a 30 day start up test.

8/17/10 – Obligado – I approved the startup test.

9/6/10 – Obligado – I spoke with Kevin McCarty over the phone. Apparently, during the start-up test for the SVE/AS the carbon

drum overheated. Smoke started to emanate from the stack. The fire department responded. Kevin is trying to determine what caused the incident. He suspects excess of methane. They have sampled the effluent and the carbon in the drum to try to determine what the cause is and if there was some sort of chemical reaction that caused the heat generation. They will investigate and report back what the cause and how to move forward.

10/20/10 – Obligado – I received an email from Kevin. ConEd confirmed that it found a substantial gas leak in a old gasoline adjacent to the site. They have fixed the leak. They want to start the biotreatments on the Lot 5.

10/25/10 – I commented that I didn't have a problem with starting the biotreatments. I only wanted him to confirm that they will perform the biotreatments during park off-hours. I also commented that monthly gw sampling seemed like overkill and that I didn't expect to see significant changes in gw quality month to month.

12/2/10 – This spill has been reassigned to Brevdo

12/10/11 – This spill is reassigned back to Obligado

2/15/11 – Obligado – HDR submits a reviewed OMM plan. As requested the revised plan has a Methane Mitigation plan to deal with potential elevated methane levels: Three additional thermal sensors were installed in the extraction enclosure. One LEL monitor has been installed on system exhaust to monitor adjacent to the temperature sensor to monitor methane levels. All monitors and sensors can be accessed remotely. The system monitor continues to be connected remotely to HDR for real-time readings. The temperature sensors mounted within the GAC beds have been set to automatically shut down the all system power if the temperature within reaches 150 degrees F. The LEL monitor has been set to automatically shut down all system power if readings are greater than 1% of the LEL (500 parts per million) above background (to be established during startup. LEL shutdown levels will be monitored and adjusted to the lowest possible level while maintaining system operation. Con Edison will be notified at least 2 weeks prior to starting the system. At that time they will be able to perform additional testing and monitoring in the area for evidence of additional gas leaks.

2/18/11 – Obligado – I Called Kevin MacCarty to discuss the plan. I told him the plan looked acceptable. The only comment I had was that I didn't think the AS system should be started first. I think they should run it on SVE only first, with outside air dilution in order to better monitor and control methane without the additional complexities of adding air sparge. Once the system stabilizes and is running properly without incident then they should start the air sparge. Kevin concurred and he emailed a confirmation with the recommended changes.

3/8/11 – Obligado – In response to my request, Angela Stowe of HDR provided an updated Health and safety plan.

3/24/11 – Obligado – I spoke with Kevin McCarty. ConEd has located and repaired more than one gas leak location. ConEd did a gas survey and the results are good for start-up. They will do another survey tomorrow and HDR plans to start the system if the survey shows no methane.

3/25/11 – Obligado – I visited the site for the 2nd attempt to restart the system. System was operating upon arrival. HDR is onsite and running the system on SVE only, with 40% fresh air dilution to make sure methane levels are low. No odors in the vicinity of the system were noticeable. System has automated shut off for LEL and temperature. According to HDR, these were tested and are functioning properly. Also, according to HDR, the system can be monitored remotely and shut off remotely if necessary. Angela Stowe of HDR said she would be dialing in to the system over the weekend to ensure it is running properly.

As of 4:15 pm, when I left the site the system was operating properly.

3/28/11 – Obligado – I emailed Angela Stowe and she confirmed that the system operated properly all weekend. She will provide a more detailed summary shortly.

4/20/11 – System shut down due to methane vapors

5/2/11 – Con edison reapsirs leaks in the 157th street gas main.

9/29/11 – System restarted.

12/6/11 – According to HDR the system is down again. Con edison disconnected the power to the station. Need to drop a new service line for the station.

9/27/12– Obligado – Email from HDR – We still do not have power to the Lot 6 (skate park) AVE/AS system. The Con Ed lockout in the summer seemed to back things up with their schedules. I spoke with Paul DeBoccia of DeBoccia Electric this morning to get an update. Two weeks ago the electrician met with Con Ed at the site and Con Ed inspected the electrical conduit that runs from the manhole in the street to the electrical pull box in the parking lot where the electrical service is to be installed. It was determined the electrical conduit is in good shape and Con Ed will be able to run the wiring to the pull box (the wiring from the manhole to the pull box was removed when the original service was disconnected). Con Ed indicated they would provide an estimate to run the wiring to DeBoccia. DeBoccia will contact Con Ed tomorrow to determine the status of the estimate and schedule to make this hookup so DeBoccia can then make the connection to the SVE/AS system. We will let you know as soon as I get an update from DeBoccia.

8/28/13 – Obligado – I emailed HDR again to inquire about the system electrical issues.

12/19/13 – Obligado – I emailed Kay Zias to inquire about the system status. She replied DPR and HDR recently signed a contract for continuing the monitoring. Con Ed was on site with HDR this afternoon and a reconnection of the power is anticipated for next week. Monitoring should resume immediately thereafter.

12/31/13 – Obligado – I spoke with Sean Quarry, who is the new project manager for HDR. According to Sean, the electricity has been restored. The HDR contract still has not been finalized. Once they finalize the contract they will probably conduct a baseline sampling event and both sites. They will probably need to do some maintenance on the AS/SVE system due to the extended downtime. He will keep me advised. Both parks, quarterly sampling.

3/19/14 – Obligado – I emailed Sean Quarry to get an update on the site.

6/26/14 – Obligado – I met Mike Pantliano and Kay Zias at the site to discuss the restart of the remedial activities at the site.

7/14/14 – Obligado – According to Michael, the AS/SVE system has been restarted.

9/30/14 – Obligado – Reviewed an Update Report. The report documents baseline groundwater and vapor quality conditions prior to re-activation of the remedial system. The system on the skate park was started on July 14, and then restarted on July 22, aftersome troubleshooting. Groundwater samples were collected on July 8th. 23 gorundwater samples were collected. No free

phase product was detected in any site wells.

On the skate park, the maximum impacts were at MW8 with 6857 ug/L total VOCs. (Of note, in 2011, concentrations in this well were as high as 25,000 ug/L total VOCs) On the playground the maximum impacts were at B16 with 1814 ug/L total VOCs. This is a significant reduction since the well had over 6223 ug/L total VOCs in 2010. A bioremediation treatment occurred on August 12, 2014. The report recommends continued bioremediation treatment events on the playground and continued system O&M on the skate park.

7/6/15 – Obligado – Review quarterly report. System air effluent in compliance with standards. With the exception of MW8, diminishing concentrations of VOCs are shown over the short and long term. Concentrations of individual analytes above standards are per location are decreasing. According to the report, AS/SVE is operating normally during this reporting period. According to the trends graph, total VOCs in MW8 have decreased from 20,000 ppb in 2011 to 3500 ppb.

3/28/17 – Obligado – I reviewed the 9th Quarterly Progress Report–Closure request. The report recommends shutting down the system and discontinuing bioremediation treatments due to asymptotic groundwater concentration trends. I concurred with the recommendation. I did not approve of spill closure however, because as per DER-10, they need to do post remedial rebound monitoring to ensure contaminant levels do not rebound following cessation of active remediation. I sent a letter requiring 2 rounds of post remedial groundwater quality monitoring.

8/11/17 – Obligado – I have reviewed a Spill Closure Letter dated August 11, 2017. The letter documents the 2 remediation shutdown sampling events on May 30 and July 26, 2017. According to the report, the total VOC concentrations at the Site did not rebound following remedial system shutdown and have remained at asymptotic levels. Concentrations at MW-08, the most impacted well, continue to decrease. During the final sampling round, the maximum concentration of total VOCs at the site was 1,537 ug/L in MW8. Based on the documentation provided, the remedial actions at the site have significantly reduced contaminant levels. This spill has been remediated to the extent feasible and the site no longer poses a threat to human health or the environment. Spill closure based on:

1) All sources of contamination removed (5 USTs removed in 2010) 2) AS/SVE system operated until asymptotic recovery achieved 3) Free product removed to the extent feasible 4) Vapor barrier and cap installed on both tanks 5) Post remediation monitoring demonstrate plume is continuing to attenuate naturally following system shut down. 6) Groundwater contamination not encountered north or west of the site indicating the plume is not migrating off site. 7) Spill no longer appears to pose a threat to human health or the environment.

Map Identification Number 142



SPILL NUMBER 0306819

E 157TH ST/RIVER AVE

BRONX, NY

Spill Number: 0306819

Close Date: 09/29/2003

TT-Id: 520A-0007-062

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 1936 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Police Department	Notifier Name:	Notifier Phone: (646) 610-5580
Caller Name: OFFICER TAPIA	Caller Agency: NYC POLICE DEPT	Caller Phone: (646) 610-5580
DEC Investigator: TJDEMEO	Contact for more spill info: OFFICER TAPIA	Contact Person Phone: (646) 610-5580

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/29/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Police department discovered above material at above locatio. NYC fire department has been contacted and is responding. No further information available at time of call.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was DEMEO Duplicate report to spill # 0306814

This spill closed

Map Identification Number 143 **VAULT 5082 E 157TH ST &**
 E 157TH ST & RIVER AV

BRONX, NY

Spill Number: 0306717

Close Date: 10/15/2003
 TT-Id: 520A-0007-061

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1936 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: E 157TH ST / RIVER AV
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Affected Persons
 Caller Name: ANDREW MORRIS
 DEC Investigator: AERODRIG

Spiller: UNKNOWN
 Notifier Name: MR BROWN
 Caller Agency: CON EDISON
 Contact for more spill info:

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

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/25/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

UNK OIL ON WATER IN VAULT – SAMPLES TAKEN – CLEAN UP PENDING – 200 GAL OF WATER – REF #150487

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was RODRIGUEZ e2mis no. 150-487:

25-Sep-2003 11:30hrs found ~ 10 gallons of what appears to be cooking oil & grease on ~ 200 gallons of water in the vault. There is no sump pump in this vault and the liquid is below the weep holes to the adjacent vault. Crew took an oil sample for PCB & ID.

Aroclor 1242 < 1.0 ppm EPA 608/8082 Aroclor 1254 < 1.0 ppm EPA 608/8082 Aroclor 1248 < 1.0 ppm EPA 608/8082 Aroclor 1260 < 1.0 ppm EPA 608/8082

Approval Status: APPROVED Approved By: James P. Hendricks Title: SUPERVISOR ---End of Report--- Search for Results at: <http://q137lims/lims> L Fischer 55784

26-Sep-2003 05:00 hrs Flush Mechanic Esham Gafur (19528) reports CFS tanker took 100 gallons of liquid from V-5082. Vactor truck took 1/2 yard of solid debris from structure. Entire area was double washed with Bio-Gen 406. All waste water was taken up by CFS tanker. There is no sump or sewer connection. There is no visible source of oil in the structure. Environmental tag 28617 was pulled. Clean up is complete. L Fischer 55784

03-OCT-2003 23:58 Lab Results: Page 1 of 1 10/03/2003 Consolidated Edison Environment, Health and Safety ChemLab NY Lab ID No: 10380 Lab Sequence Number: 03-07961-001 Date Approved: 9/25/2003 E2 Incident Number: 150487 Date Received: 9/25/2003 Chain of Custody ID: CC15090 Date Sampled: 9/25/2003

Submitter: LAWRENCE C SUTHERLAND Job Site: 157 ST & RIVER AVE Email To: SUTHERLANDL@coned.com-EA-ChemLabReports-BX-WEST-LAB RESULTS- Cc To: DL – BX/WEST EH&S C.C.– MCCABEJA@coned.com– NOTE: The Submitter shall post and/or provide these results to all employees working with or in the vicinity of this substance. This report shall not be reproduced, except in full, without the written consent of EH&S. Test results are representative only of submitted samples.

Oil Identification Analysis by NYSDOH 310-13 (Hydrocarbon Scan)

MATRIX: WATER&OIL GRAB LOCATION: 157 ST & RIVER AVE STRUCTURE: VAULT 5082 FEEDER ID: EQUIPMENT: NA SERIAL #: H389182

Insufficient amount of sample extracted to perform oil identification.

Map Identification Number 144



SERVICE BOX

325 EXTERIOR ST

BRONX, NY

Spill Number: 1711329

Close Date: 06/11/2018

TT-Id: 520A-0338-650

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1970 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name:

DEC Investigator: RWAUSTIN

Spiller: DAVE DUKE - CON ED

Notifier Name:

Caller Agency:

Contact for more spill info: DAVE DUKE

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
03/13/2018		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
ANTIFREEZE		OTHER	3.00	GALLONS	3.00	GALLONS	UTILITY

Caller Remarks:

clean up is pending

DEC Investigator Remarks:

264819 3/13/18-Zhune spoke to ERT- David Duke. David said a service box. small manhole has green liquid in it. Thinking it 's antifreeze. Approximately 3 gallons from probably an unknown public car or truck. They took samples. The contractor will come to cleanup the structure (service box).

6/11/18 ~ Austin ~ Con Ed contained and cleaned up the spill in the service box; no issues in box after that cleaning ~ See

document files for further information ~ Spill closed ~ end

Map Identification Number 145**VERIZON BUILDING**
325 EXTERIOR STREET

BRONX, NY

Spill Number: 0512042**Close Date: 02/21/2007**

TT-Id: 520A-0011-461

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1970 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Other

Caller Name: JEFF BOHLEN

DEC Investigator: rmpiper

Spiller: JEFF BOHLEN - VERIZON BUILDING

Notifier Name: JEFF BOHLEN

Caller Agency: ENVIORTRACT

Contact for more spill info: JEFF BOHLEN

Spiller Phone: (631) 471-1500

Notifier Phone: (631) 471-1500

Caller Phone: (631) 471-1500

Contact Person Phone: (631) 471-1500

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
01/19/2006		OTHER	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE		PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

found soil sample in groundwater defective:

DEC Investigator Remarks:

3/17/06- DEC Piper reviewed tank closure report. As per analytical, GW has 4760 ppb of MtBE and 8 ppb of Toluene. All other constituents, SVOC and VOC, non- detect. Subsurface investigation warranted. Site abuts Harlem River. Referred to remediation.

7/11/06- DEC Piper received subsurface investigation report to delineate gw contamination. Five borings were completed on property. All locations revealed contamination below TAGMs.

2/20/07- DEC Piper reviewed report dated Jan 29, 2007, As per report, No VOC's or SVOC's above Tagm. This case is closed. See E-docs if warranted./

Map Identification Number 146**BEHIND GAL MANUFACTURERS**

50 E.153RD ST

BRONX, NY

Spill Number: 0307022**Close Date: 09/24/2007**

TT-Id: 520A-0007-627

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 1999 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Affected Persons
 Caller Name: KEN MCHALE
 DEC Investigator: qxabidi

Spiller: UNKNOWN
 Notifier Name:
 Caller Agency: METRO-NORTH RAILROAD
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (800) 840-7510
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/03/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

staining coming down onto the track area - off cromwell av near exit ramp from i-87 onto crommwell av

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIPPLE Sangesland spoke with Ken McHale of Metro North Environmental.

At mile marker 5.88 post on the Hudson line they have evidence of a deliberate leak (Pipe drain) pouring oil out of the back of a building up on the cliff. This has been a long term problem and continues to be a new source.

Source building is GAL Manufacturerers at 50 East 153rd St. There is a pipe which seems to come from the back of their building, under a rear parking lot and then down the slope to the tracks.

Contact person at Metro North should be Tom Water (Walter?) Asst. Supervisor for Track Operations. 718-742-6651.

The pipe may be visible from the rear parking lot of the source building. If you want to see the pipe from the tracks, an appointment will need to be made with Mr. Water to have an escort on the tracks.

05/23/06: This spill is transferred from Mr. Koon Tang to Q.Abidi. Called to Herbert w. Glazer at(718)292-9000 left message. -QA

05/25/06: Contacted to owner Mr. Herbert w. Glazer on phone at (718)292-9000. This spill is not in his knowledge. Mr. Herbert will find out about spill and he will call me back. -QA

07/18/06: Contacted to Mr. Fredrick Weaver at (212)499-4535 he said that spill is not in his knowledge. He said to talk to Karen Timko (Director of Environmental Compliance) at (212)340-3322. Called Karen Timko and left message to call me back. -QA

04/10/07: Called Mr. Glazer he was not available. He will be there tomorrow. -QA

08/31/07: I visited Behind Gal Manufacturers and inspected the site today with Mr. W. Glaser (Executive Vice President of Gal Manufacturing Corporation. Due to the storage of big container of metal, There was oil film on metal in the container. Due to heavy rain oil washed out and gone to railway track. Gal Manufacturer dug out that place. They put the new stones at the place. There is no stain at the place of railway track which Mr. Glazer shown to me. I checked the area of railway track was visible from the boundary wall fence of Gal Manufactures, there was no stain. It is also confirmed from Mr. Glazer that there was no such pipe lines in the parking lot going to railway track. On the basis of site inspection and information provided by Mr. Glazer this spill should be closed. Entered Photo 1 in e-doc -QA

09/06/07: Called Mr. Ken Mchale to ask that he is satisfied by the cleaning of Railway track by Gal Manufactures or not? He was not there, Left message to call me back to discuss regarding cleaning of spill. -QA

09/10/07: Called Mr. Ken Mcale (914)686-8681 to discuss regarding spill. He was not there. Left message to call me back. -QA

09/20/07: Called Mr. Ken Mchale and discussed regarding spill. He said that he will go to site with his supervisor Mr. Angello then he will write a letter to regarding spill. -QA

09/21/07: Mr. Ken Mchale and Mr. Angello they said to me verbally on phone that they are satisfied with this cleaning. So on the basis of information provided and my field inspection of August 31, I closed this spill. -QA

Map Identification Number 147
 **146TH &147TH ST/LENOX AVE**
146TH &147TH ST/LENOX AVE

Spill Number: 9012864
NEW YORK CITY, NY

Close Date: 03/17/1991
TT-Id: 520A-0093-711

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 2008 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: W 146TH ST / W 147TH ST / LENOX AVE
Revised zip code: 10039

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Citizen
 Caller Name: MERCEDES HERBERT
 DEC Investigator: KSTANG

Spiller: NYC BUS DEPOT
 Notifier Name:
 Caller Agency: CITIZEN
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (212) 281-9688
 Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/17/1991	03/17/1991	UNKNOWN	UNKNOWN		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	AIR

Caller Remarks:

BLACK SMOKE FROM STACK,REFERRED TO NYCDEP AIR RESOURCES.

DEC Investigator Remarks:

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

Map Identification Number 148
 **TECHNIC AUTO SERVICES CORP**
 699 MORRIS AVE.
 BRONX

BRONX, NY 10451

Spill Number: 0550556

Close Date: 07/13/2005
 TT-Id: 520A-0013-558

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 2013 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY
 Notifier Type: DEC
 Caller Name: MICHELLE TIPPLE
 DEC Investigator: MXTIPPLE

Spiller: ROBERT HEREDIA - TECHNIC AUTO SERVICES CORP
 Notifier Name: MICHELLE TIPPLE
 Caller Agency: NYSDEC
 Contact for more spill info: ROBERT HEREDIA

Spiller Phone:
 Notifier Phone: (718) 482-4927
 Caller Phone: (718) 482-4927
 Contact Person Phone: (718) 617-1346

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
06/30/2005		OTHER	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Submittal from Even Air Sten Evenhouse indicated removal of five 550 gal, one 2000 gal and one 4000 gal gasoline tanks from a former gas station. PBS indicated the five 550's were installed in 1984, the submittal is questionable. No spill was ever called in on this site while it has been a gas station for 30 yrs.

DEC Investigator Remarks:

6/30/05 MT// Able construction was the prime contractor on this excavation as per a conversation with Empire Environmental there was a discrepancy in the amount of tanks pulled//nfa.

Map Identification Number 149 **141ST ST & GRAND CONCOURSE**
 141ST ST & GRAND CONCOURSE

NEW YORK CITY, NY

Spill Number: 8807934

Close Date: 01/01/1989
 TT-Id: 520A-0010-379

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2048 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: E 140TH ST /GRAND CONCOURSE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY
 Notifier Type: Local Agency
 Caller Name: STAN SEIDENBERG
 DEC Investigator: SIGONA

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

Spiller Phone:
 Notifier Phone:
 Caller Phone: (212) 669-8930
 Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
01/01/1989	01/01/1989	UNKNOWN	UNKNOWN		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE		PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

 Caller Remarks:

NYCFD WATERED & FOAMED DOWN SPILL, NO ACTION REQUIRED BY DEC.

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

Map Identification Number 150

ABANDONED GAS STATION

315 GRAND CONCOURSE

BRONX, NY

Spill Number: 0109527
Close Date: 12/31/2001

TT-Id: 520A-0007-426

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2132 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Citizen

Caller Name: FRANK CHEZ

DEC Investigator: MXTIPPLE

Spiller:

Notifier Name:

Caller Agency:

Contact for more spill info: FRANK CHEZ

Spiller Phone:

Notifier Phone:

Caller Phone: (718) 409-9416

Contact Person Phone: (718) 409-9416

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
12/29/2001		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE		PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER STATES COMPANY ON SITE OF ABANDONED GAS STATION EXCAVATING UST AND THERE IS A STRONG SMELL OF GASOLINE COMING FROM HOLE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIPPLE/SIGONA 12/29/2001 site visit revealed tank excavation in progress. Sigona is project manager for spill#99-09720 same spill, same site.

Map Identification Number 151**VAULT #VS2380**

CANAL PL/E 141ST

BRONX, NY

Spill Number: 0212011**Close Date: 05/05/2003**

TT-Id: 520A-0010-364

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2177 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: CANAL PL / E 141ST ST

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Affected Persons
 Caller Name: PETE MCGUIRE
 DEC Investigator: AERODRIG

Spiller: UNKNOWN
 Notifier Name: MR BROWNE
 Caller Agency: CON EDISON
 Contact for more spill info: PETE MCGUIRE

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

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
03/05/2003		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM		PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

THERE IS AN UNKNOWN PETROLEUM SPILLED ONTO THE STREET AND RUNNING INTO THE ABOVE MANHOLE - IT WILL BE CLEANED UP AS 50-499 PPM / CON ED SPILL #147408

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was RODRIGUEZ Con Ed e2mis #147408:

05-Mar.-2003 18:00 hrs. Environmental Flush mechanic T. Murphy # 21162 reports finding ~ 1 pint of unknown oil in sludge and 10 gallons of water from a 3rd party spill up the street while preparing to flush a vault for a transformer replacement. According to Mr. Murphy the oil smells like fuel oil and the affected area is ~ 200 feet in length. The crew will clean the affected area of street around the Vault to prevent further leakage and the cleanup will be conducted as a 50-499ppm PCB. Spill Tag # 36291 installed at vault.

06-Mar.-2003 04:00 Environmental Flush mechanic T. Murphy # 21162 reports that the affected area of of the street adjacent to the vault was double washed and Clean Ventures removed any oil. Double washed the floor and walls of vault2380. Clean Ventures removed all liquids and debris as 50 - 499ppm PCB. Crew removed environmental tag number 36291. Cleanup complete, crew on location T. Murphy 21162. R. Browne # 21646

06-March-2003 10:33 hrs Temp EPA # NYP004108320 assigned by ERT. 50-499 PCB check list pending from T.Murphy (21162) L.Fischer (55784)

06-Mar-2003 22:00hrs. 50 - 499ppm. PCB. Check list submitted to the EH&S Desk by T. Murphy # 21162.

Map Identification Number 152**SPILL NUMBER 9702764**

310 GRAND CONCOURSE

BRONX, NY

Spill Number: 9702764**Close Date: 07/14/2003**

TT-Id: 520A-0008-644

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2190 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Affected Persons
 Caller Name: IVAN PANTOJA
 DEC Investigator: SIGONA

Spiller: STEVEN MARMONCRAFT
 Notifier Name:
 Caller Agency: PANTOJA USED CARS
 Contact for more spill info:

Spiller Phone: () 665-2500
 Notifier Phone:
 Caller Phone: (718) 402-5100
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
06/04/1997		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL		PETROLEUM	0	GALLONS	0	GALLONS	AIR
GASOLINE		PETROLEUM	0	GALLONS	0	GALLONS	AIR

Caller Remarks:

DURING HOT SUMMER DAYS LAST YEAR, NOTICED GASOLINE & DIESEL VAPORS IN THE OPEN LOT. IT HAPPENED AGAIN A FEW WEEKS AGO. GAS STATION CLOSED MORE THAN 9 YEARS AGO. MAYBE 20 YEARS AGO. STEVEN M. IS CURRENT LANDLORD (FROM 5 YEARS) HE PAVED OVER THE LOT & METAL MATES BY TANK.

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

Map Identification Number 153**COMMERCIAL**
26 50 PARK AVE

BRONX, NY

Spill Number: 1900786**Close Date: 06/10/2019**

TT-Id: 520A-0354-057

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)

Approximate distance from property: 2201 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: 2650 PARK AVE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name:

DEC Investigator: RHLIN

Spiller: COLOR CARTON CORP

Notifier Name:

Caller Agency:

Contact for more spill info: COLOR CARTON CORP

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (718) 665-0840 ext. 1
ext: 13

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
04/23/2019		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL		PETROLEUM	15.00	UNKNOWN	0.00	UNKNOWN	

Caller Remarks:

inside a basement. The caller did not have much information

DEC Investigator Remarks:

4/24/19-Lin-Responded to spill. Two (2) 275 gallon #2 fuel tank that are connected. 202 gallon of oil was delivered on April 10th to full. Both tanks are about half full according to petro. Secondary containment around oil burner was filled with oil. Some oil is seeping through the concrete on the side of the secondary containment and going to the floor of the basement. Milro pumped out three (3) 55 gallons of oil. A vac truck was brought in to remove the remaining oil.

6/10/19-Lin-Recieved spill closure report and manifest. Spill was cause by a leak in the portion of the supply line that is aboveground. Supply line was replaced. Absorbent were installed within the spill area. Milro pumped out the oil in the concrete pits. The pits and floors were washed and degreased. Based on visual inspection of the floors in the basement and the amount oil of that were recovered during emergency pump out, the spill was contained to the surface and did not impact subsurface. No remediation is required. Case closed.

Company Owner: Vincent Loprinzi vloprinzi@colorcarton.com vloprinzi161@gmail.com

Map Identification Number 154 **VAULT 3328**
 2 WEST 142ND STREET

MANHATTAN, NY

Spill Number: 1207731

Close Date: 03/28/2013
 TT-Id: 520A-0278-090

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2219 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name:

DEC Investigator: RWAUSTIN

Spiller: STORM DAMAGE

Notifier Name:

Caller Agency:

Contact for more spill info: TOMERT

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: 2125808383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.
 Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/30/2012		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
TRANSFORMER OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	

Caller Remarks:

10 GALLONS ON TOP OF 100 GALLONS WATER

DEC Investigator Remarks:

3/28/13 – Austin – 10 gals transformer oil atop 100 gals water in transformer vault – Con Ed contained and cleaned up the spill, and replaced transformer – See eDocs files for further information – Sandy storm related – Spill closed – end

Map Identification Number 155 **MTA**
 711 LENOX AVE

MANHATTAN, NY

Spill Number: 1002713

Close Date: 06/21/2010
 TT-Id: 520A-0253-048

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2265 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY
 Notifier Type: Other
 Caller Name:
 DEC Investigator: smsanges

Spiller: MTA
 Notifier Name:
 Caller Agency:
 Contact for more spill info: UNKNOWN

Spiller Phone:
 Notifier Phone:
 Caller Phone:
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/09/2010		OTHER	NO	

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

Caller Remarks:

removing old fuel tanks/gas smell in air

DEC Investigator Remarks:

Sangesland spoke to Tibbe. He said the full city block West 146 to West 147 between 7th Ave and Lenox Ave is the "Mother Clara Hale MTA Bus Depot". The full block is a giant construction pit as the MTA removes tanks and "deals" with the contamination that remains. For the next 1–2 weeks there will be smell in the area until the area is permanently capped. This odor spill complaint is closed

Map Identification Number 156



MOTTHAVEN

790 CONCOURSE VILLAGE WES

BRONX, NY

Spill Number: 0710941

Close Date: 01/16/2008

TT-Id: 520A-0212-694

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 2269 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: 790 CONCOURSE VILLAGE W
 Revised zip code: 10451

Source of Spill: PRIVATE DWELLING
 Notifier Type: Citizen
 Caller Name:
 DEC Investigator: RMPIPER

Spiller: ALBERT MORRIS
 Notifier Name:
 Caller Agency:
 Contact for more spill info: ALBERT MORRIS

Spiller Phone: (718) 537-6522
 Notifier Phone:
 Caller Phone:
 Contact Person Phone: (718) 537-6522

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/16/2008		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN HAZARDOUS MATERIAL	HAZARDOUS MATERIAL	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CASno: CALLER STATES THAT MELROSE TERMINAL WAS THEIR FIRST , THEY BUILT HOUSES AFTER: HE STATES HE THINKS IT MAY BE CONTAMINATED SOIL: AND HE STATES THAT THEY ARE ALSO BUILDING SCHOOLS ON SAME CONTAMINATED SOIL; PRESIDENT OF VILLAGE IS SAMUEL GOOD- 718-992 -4910

DEC Investigator Remarks:

site being addressed under Sp 0551708 BCP, 203036, 203042, & C203030. Closed.

Map Identification Number 157



MANHOLE #7087

IFO 301 E 149TH SR

BRONX, NY

Spill Number: 9904014

Close Date: 04/04/2002

TT-Id: 520A-0010-016

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2287 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10451

Source of Spill: UNKNOWN
 Notifier Type: Affected Persons
 Caller Name: RICHARD ROACH
 DEC Investigator: CAENGELH

Spiller: UNKNOWN – Unknown
 Notifier Name: JOE SCHLEMBACK
 Caller Agency: CON EDISON
 Contact for more spill info: CALLER

Spiller Phone:
 Notifier Phone:
 Caller Phone: (212) 580-6764
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
07/07/1999		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM		PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1.5 GALS OF OIL ON 75 GALS OF WATER/CLEAN UP WILL BEGIN WHEN TEST RESULT IS IN

DEC Investigator Remarks:

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

Map Identification Number 158

VAULT 3804



5TH AV/W141ST ST

MANHATTAN, NY

Spill Number: 0010341

Close Date: 12/26/2000

TT-Id: 520A-0093-776

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2304 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: 5TH AV / W 141ST ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name: JIMMY FOX

DEC Investigator: JHOCONNE

Spiller: SAME - CON ED

Notifier Name: PELLAGRINO

Caller Agency: CON EDISON

Contact for more spill info: CALLER

Spiller Phone: (212) 580-6763

Notifier Phone:

Caller Phone: (212) 580-6763

Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
12/14/2000		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
TRANSFORMER OIL		PETROLEUM	3.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

BOTTOM LEAK ON TRANSFORMER. CLEAN UP PENDING. OIL IN LINE TO THE SEWER AS WELL, POSS OIL RELEASED INTO SEWER.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL 12/14/00 – spoke with Dan Shah, ERT – he is enroute to site. Crew is awaiting outage to begin draining transformer and start clean up.

e2mis notes:

Approx. 3 gallons transformer oil mixed with debris and approx. 10 gallons water in vault V3804. Source of spill is the transformer and cause is possible bottom leak. Checked the piping to sewer and found oil indicating possible release to sewer. Sump pump was not running but was plugged in. There are substantial cracks in the vault. Reinforcing rods can be seen in the concrete walls. Samples were taken. Prior PCB history indicates 103 ppm. Cleanup to start ASAP as >50 cleanup.

Update at 1737 hrs: >50 tanker never arrived at location today. It was re-routed by Astoria Transportation to another emergency job at Ravenswood. Crew initiated partial cleanup of vault. Absorbent pigs placed around sump pit and around transformer. Oil, water & debris pushed away from sump pit and blocked to prevent migration to pit. Pump disconnected. Bed of absorb-all granules was spread on vault floor. Over 50 tanker was ordered for tomorrow (12/15/00).

Lab results: oil similar to dielectric fluid, PCB count 8 ppm.

12/15/00 – No tanker available to drain transformer today. Tanker ordered for 12/16/00, drain scheduled for 7–3:30 shift. Final cleanup pending removal of transformer. Removal scheduled for 12/20.

12/19/00 – Transformer drained via corporate tanker. 360 gallons removed from the unit. 5 gallons free oil recovered from sump pit. Estimated 10 gallons oil in saturated debris on floor of structure. Estimated amount of residual oil in unit after it was drained is 5 gallons. Transformer nameplate states unit contains 390 gallons. Material balance estimates 10 gallons released to sewer.

12/21/00 – cleanup completed with flush truck. Cleanup completed at 1930 hrs.

Map Identification Number 159**143RD ST ASSOCIATES**

44–58 WEST 143RD ST

MANHATTAN, NY

Spill Number: 9706699**Close Date: 06/10/2010**

TT-Id: 520A–0093–625

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2321 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	JAY PERETZKY – 143RD ST ASSOCIATES	Spiller Phone:	(212) 370-1333
Notifier Type:	Other	Notifier Name:	AMY BUTEL	Notifier Phone:	(212) 694-0849
Caller Name:	AMY BUTEL	Caller Agency:	NAEC	Caller Phone:	(212) 694-0849
DEC Investigator:	SFRAHMAN	Contact for more spill info:	JAY PERETZKY	Contact Person Phone:	(212) 370-1333

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/04/1997		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER DID TANK REMOVAL AND FOUND SOIL CONTAMINATION – CALLER ALSO BELIEVES GROUNDWATER MAY HAVE BEEN AFFECTED ALSO

DEC Investigator Remarks:

04/12/06 – Hough – Next Step: Site visit is warranted to ascertain current conditions. Based upon this appropriate followup to prior activities may be required.

3/31/09 – Austin – Transferred from Needs Reassignment to Rahman for further work to remeidate and close – end

04/27/10 Investigation work plan in edocs.(sr)

05/24/10 Investigation summary report in eodcs.(sr)

06/09/10 The site is a commercial self storage building. Three USTs were removed in 1997. One 550 gal gasoline, one 1,500 gal heating oil UST, and one 5,000 gal #2 oil UST were removed. Seven soil samples were taken for lab analysis. VOCs were below TAGM. Ground water is at 12ft bgs. Three ground water samples were taken. No VOCs in ground water were detected. SVOCs in ground water were marginal. Case closed.(sr)

Map Identification Number 160**TRANSFORMER VAULT #2190**

CONCOURSE VILLAGE/EAST158

BRONX, NY

Spill Number: 0310705**Close Date: 06/30/2005**

TT-Id: 520A-0014-147

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (5)

Approximate distance from property: 2349 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: CONCOURSE VILLAGE / E 158TH ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name: KEVIN MCDONALD

DEC Investigator: SKARAKHA

Spiller:

Notifier Name: KEVIN MCDONALD

Caller Agency: CON-ED

Contact for more spill info: KEVIN MCDONALD

Spiller Phone:

Notifier Phone: (212) 580-6763

Caller Phone: (212) 580-6763

Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
12/17/2003		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM		PETROLEUM	7.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

crews responded to smoking vault and found 7 gallons of unknown oil untop of 400 gallons of water. clean up is pending test results. was smoke no fire,sewers or waterways

DEC Investigator Remarks:

-Dec-2003 09:58 hrs.

Bx/West I&A Splicer A. Sepulveda # 16522 reported while responding to a smoking vault that he found ~ 7 gallons of an unknown oil on ~ 400 Gallons of water in vault 2190. The crew took an oil sample.

Oil Identification Analysis by NYSDOH 310-13 (Hydrocarbon Scan)

Analysis indicates the presence of a substance similar to a dielectric fluid. Flash Point, COC > 140 deg F ASTM D92-1.

December 17, 2003 6:33 PM Lab Sequence Number: 03-10044-001 TOTAL PCB 37 ppm

17-Dec-2003 21:23 This cleanup will be a partial tentatively setup for Dec 18- CFS notified and available-pending confirmation

with the I&A and the Flush group. Con Hives can be on location within 2 hours for a setup.

18-Dec-2003 13:30 hrs I&A Mechanic Diego Hernandez (18527) reports CFS tanker drained V-2190. Unit will be removed at a later date. Partial clean up is complete. Environmental tag left in place.

06-Dec-2004 14:00hrs. Bx/West T. Brown reports that the CFS. Tanker removed 300 gallons of liquid and the flush truck removed ~ 200 Lbs. non-hazardous solids. Double washed the vault with water and 760 soap and the CFS removed all liquids. Partial cleanup completed.

08-Dec-2004 14:13hrs. Bx/West Flush Mech. T. Brown reports that the CFS. Tanker removed 50 gallons of liquid and the flush truck removed ~ 150 Lbs. non-hazardous solids. Vault washed 4x's with water and 760 soap and the CFS removed all liquids. 2nd Partial cleanup completed. Unit not removed, I&A to attempt removal of unit at a later date. Env. Tag remains in place. I&A will contact EH&S Desk to coordinate final cleanup with unit removal.

13-Dec-2004 13:45 hrs Flush Operator, Edward Ceden0 (03384) reports defective transformer was removed. 300 lbs of non hazardous solid debris was removed by the Vactor truck. The vault was double washed with Bio-Gen 760 detergent. 100 gallons of waste water was removed by the CFS tanker. The environmental tag 34677 was removed. A new tranformer was installed. The Clean up is complete.

Map Identification Number 161**GETTY#58409**

119 W. 145TH ST

MANHATTAN, NY

Spill Number: 0701951**Close Date: 05/17/2007**

TT-Id: 520A-0090-214

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2372 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Other

Caller Name:

DEC Investigator: smsanges

Spiller: JOSEPH GAVIN - GETTY#58409

Notifier Name:

Caller Agency:

Contact for more spill info: JOSEPH GAVIN

Spiller Phone: (631) 694-9696

Notifier Phone:

Caller Phone:

Contact Person Phone: (631) 694-9696

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/17/2007		OTHER	NO	

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

Caller Remarks:

PBS No: 2-309834 IN MONITORING WELL:

DEC Investigator Remarks:

This site has a long term remediation project (Spill #9713385) R.Feng is the DEC case manager and she has been told about this product in well problem. Closed refer to spill 9713385

Map Identification Number 162 **SPILL NUMBER 9900030**



2541 7TH AVE

MANHATTAN, NY

Spill Number: 9900030

Close Date: 12/06/1999

TT-Id: 520A-0098-514

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2380 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: 2541 ADAM C POWELL BLVD

Revised zip code: 10039

Source of Spill: UNKNOWN
 Notifier Type: Fire Department
 Caller Name: RITOLL
 DEC Investigator: O'DOWD

Spiller: MET FOODS
 Notifier Name:
 Caller Agency: NYFD
 Contact for more spill info: UNKNOWN

Spiller Phone:
 Notifier Phone:
 Caller Phone: (917) 769-0483
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/01/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN HAZARDOUS MATERIAL	HAZARDOUS MATERIAL	40.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER STATES THAT A COMPANY WAS CLEANING GRAFFITTI OFF OF THE WALLS. COMPANY LET THE RUN OFF ENTER A MANHOLE AND RUN INTO THE ROAD

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

1:15PM 5 BORO POWER WASHING COMPANY WAS HIRED, TO CLEANUP BY MET FOOD. IT IS A KIND OF CHEMICAL USED FOR WASHING OUTSIDE WALL OF MET FOODS. THE CHEMICAL WENT TO STREET BUT NOT GO TO SEWER. FAXED TO NYCDEP- HAZMAT. 4/6/99. @ 10:30 AM LEFT MESSAGE FOR CHRIS HAAS/DEP HAZMAT/718595-4664. 4/6/99 @ 11:00AM SPOKE TO CHRIS HAAS. HE WILL FIND OUT WHO WENT & WILL CALL ME BACK. 4/6/99 @ 10:13AM CHRIS HAAS LEFT MESSAGE ON VOICE MAIL. STANLEY BALDWIN WENT TO SITE. 4/7/99 @ 10:40AM SPOKE TO STANLEY BALDWIN. HE WENT TO SITE AND INTERVIEWED THE MANAGER OF THE SUPER MARKET TO HIRE A CONTRACTOR TO CLEANUP. DEP ICWS (COSMO), OEM AND FD RESPONDED. FD AGREED TO NEUTRALIZE IT AND CLEAN IT UP AND WASH IT DOWN. ICW'S LEFT MESSAGE FOR COSMO/ICW'S X 4718. CLEAN-UP HANDLED BY DEP. COSMO/DEP 595-4718. 9/14/99 @ 11:15AM SPOKE TO COSMO/DEP. ONCE FD NEUTRALIZED THE STUFF AND PH DROPPED THEY WASHED SPILL DOWN TO A CATCH BASIN. HE SAID MINIMAL AMOUNT GOT TO SOIL BY TREE, NO NEED TO DIG OUT. GOING TO COURT NEXT WEEK.

Map Identification Number 163**SPILL NUMBER 0212767**

101/125 W.147TH ST

MANHATTAN, NY

Spill Number: 0212767**Close Date: 06/09/2003**

TT-Id: 520A-0098-516

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2380 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10039

Source of Spill: PRIVATE DWELLING

Notifier Type: Affected Persons

Caller Name: FERNANDO ORTEGA

DEC Investigator: JXZHAO

Spiller: PATRICK - PATRICK

Notifier Name: PATRICK

Caller Agency: CASTLE OIL

Contact for more spill info: PATRICK

Spiller Phone: (212) 234-1600

Notifier Phone:

Caller Phone: (718) 579-3480

Contact Person Phone: (212) 234-1600

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/25/2003		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	60.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

unknown reason for spill. spill contained. most cleaned up today will finish tomorrow.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was ZHAO 3/26/2003 - JZ: After Castle made delivery yesterday, on site staff was making a transfer from one tank to another. There are two 10,000 gal tanks on site which are not registered.

Spill went to side walk and parking area. Castle did clean up.

3/27/2006 – JZ: It has been found that the two 10,000 gallon tanks are temporary ones. There were three 40,000 gallon tanks has been removed from site. PBS 2–511838 needs a sub. mod. application for deregistering those tanks.

Map Identification Number 164 **HALE (146TH STREET) DEPOT-NYCT**
 721 LENNOX AVE

MANHATTAN, NY

Spill Number: 9813017

Close Date: 06/17/2008
 TT-Id: 520A-0100-733

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: 721 LENOX AVE
 Revised zip code: 10037

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name: ERIC JONES

DEC Investigator: RVKETANI

Spiller: ERIC JONES – NYC TRANSIT

Notifier Name: JOEL SEIGAL

Caller Agency: NYC TRANSIT

Contact for more spill info: ERIC JONES

Spiller Phone: (718) 243-4581

Notifier Phone:

Caller Phone: (718) 243-4581

Contact Person Phone: (718) 243-4581

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/22/1999		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

in place closure investigation led to the results of contaminated soil in the area of the tanks. full remedial investigation is pending

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE transferred from Hale to Tibbe on 12/27/00. soil contamination around removed tank. investigation showed possible hydraulic oil contamination. investigation ongoing.

See also 89-02374, 89-04241, 91-06264, 93-04003, 96-06076 & 01-02743.

06-17-08: Closed and consolidated under 8902374.

Map Identification Number 165 **146TH ST BUS DEPOT**
 721 LENOX AVE

MANHATTAN, NY

Spill Number: 9606076**Close Date: 12/27/2000**

TT-Id: 520A-0100-724

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10037

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name: HOWIE MATZA

DEC Investigator: MCTIBBE

Spiller: HOWIE MATZA - NYCTA

Notifier Name: BUS DEPOT DILCHAND

Caller Agency: NY CITY TRANSIT

Contact for more spill info: HOWIE MATZA

Spiller Phone: (718) 243-4581

Notifier Phone: (212) 690-9561

Caller Phone: (718) 243-4581

Contact Person Phone: (718) 243-4581

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/11/1996		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	10.00	GALLONS	10.00	GALLONS	SOIL

Caller Remarks:

bus was being filled and diesel came out of a manway - the tanks have been taken out of service until cause is determined - spill cleaned up

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE transferred from Hale to Tibbe on 12/27/00. refer to 89-02374. remediation ongoing.

Map Identification Number 166 **146TH STREET DEPOT**
 146TH STREET DEPOT

MANHATTAN, NY

Spill Number: 9212791**Close Date: 02/12/1993**
TT-Id: 520A-0100-731

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: 721 LENOX AVE
 Revised zip code: 10039

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Responsible Party
 Caller Name: RAMON PAEZ
 DEC Investigator: MCTIBBE

Spiller: NYCTA
 Notifier Name:
 Caller Agency: NYCTA-BROOKLYN
 Contact for more spill info:

Spiller Phone: (212) 694-1373
 Notifier Phone:
 Caller Phone: (718) 330-4581
 Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),
 contamination of drinking water supplies, or significant release to surface waters.
 Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/12/1993	02/12/1993	UNKNOWN	UNKNOWN		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SURFACE WATER

Caller Remarks:

DELIVERY MADE TODAY-OIL ON CONCRETE FLOOR GROUND LEVEL-DRAIN APPEARS TO BE CLOGGED-NYCTA EMPLOYEES APPLIED SORBENT PADS- WILL P/U AND DISPOSE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE CHANGED TO TIBBE ON 2/14/2000 FROM ZHITOMERSHI

Map Identification Number 167 **146 WEST 147TH ST/MANH**
 146 WEST 147TH STREET

NEW YORK CITY, NY

Spill Number: 8905388**Close Date: 08/31/1989**
TT-Id: 520A-0100-750

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name:	Notifier Phone:
Caller Name: P O BROWN	Caller Agency: USCG	Caller Phone: (212) 668-7920
DEC Investigator: SIGONA	Contact for more spill info:	Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/28/1989	08/31/1989	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

Caller Remarks:

(8) 55 GALLON DRUMS OF UNKNOWN TOXIC SMELLING CHEMICALS LEFT IN STREET

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

Map Identification Number 168



MOTHER CLARA HILL BUS
721 LENOX AVE

NEW YORK, NY

Spill Number: 0610604

Close Date: 06/17/2008
TT-Id: 520A-0100-752

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER	Spiller: RACHEL KRON - MOTHER CLARA HILL BUS	Spiller Phone: (201) 341-9552
Notifier Type: Local Agency	Notifier Name:	Notifier Phone:
Caller Name:	Caller Agency:	Caller Phone:
DEC Investigator: MCTIBBE	Contact for more spill info: RACHEL KRON	Contact Person Phone: (201) 341-9552

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/13/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

 Caller Remarks:

NO VISIBLE LEAK, LINE TEST FAILED ON TANK # 2 AND HAS BEEN LOCKED AND TAGGED: MARK TIBBE FROM DEC REGION 2 HAS BEEN NOTIFIED: SUSPECT IT WAS A FLEX CONNECTER MALFUNCTION:

DEC Investigator Remarks:

06-17-08: Closed and consolidated under 8902374.

Map Identification Number 169 **MOTHER CLARA HILL DEPOT -NYCT**
 721 LENOX AVE

MANHATTAN, NY

Spill Number: 0404173

Close Date: 03/30/2005
 TT-Id: 520A-0100-744

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: 721 MALCOLM X BLVD
 Revised zip code: 10030

Source of Spill: COMMERCIAL VEHICLE
 Notifier Type: Local Agency
 Caller Name: OLUCHI DUROHA
 DEC Investigator: MCTIBBE

Spiller: LENNY GELDMAN - MOTHER CLARA HILL DEPOT
 Notifier Name: OLUCHI DUROHA
 Caller Agency: NYC TRANSIT
 Contact for more spill info: LENNY GELDMAN

Spiller Phone: (347) 386-7457
 Notifier Phone: (718) 243-4581
 Caller Phone: (718) 243-4581
 Contact Person Phone: (347) 386-7457

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/19/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	20.00	GALLONS	20.00	GALLONS	SOIL

 Caller Remarks:

LEAKED FROM #1 TANK INTO THE SUMP CONTAINMENT, STILL INVESTIGATING CAUSE, EVERYTHING CLEANED UP

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE see also 04-01607. Product discovered in the discharge sump for diesel tank #1. Primary line leak. Secondary and sump passed testing on 07/20/04, so there was no release to the environment. The flex connector was replaced and relocated inside the sump. The discharge primary and secondary were retested and passed.

Map Identification Number 170 **CLARA HALE BUS DEPOT**
 735 LENOX AVE

NYC, NY

Spill Number: 0401286**Close Date: 07/12/2004**

TT-Id: 520A-0100-738

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: 735 LENOX AV

Revised zip code: 10037

Source of Spill: COMMERCIAL VEHICLE

Notifier Type: Other

Caller Name: PASHKO CAMAJ

DEC Investigator: MCTIBBE

Spiller: PASHKO CAMAJ – CLARA HALE BUS DEPOT

Notifier Name: PASHKO CAMAJ

Caller Agency: NYC TRANSIT

Contact for more spill info: PASHKO CAMAJ

Spiller Phone: (718) 243-4581

Notifier Phone: (718) 243-4581

Caller Phone: (718) 243-4581

Contact Person Phone: (718) 243-4581

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
05/06/2004		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

TANK WAS LOCKED OUT AND TAGGED OUT.THEY WILL INVESTIGATE AND TAKE ANY ACTION NEED TO CORRECT THE PROBLEM.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE Leak from an aboveground line. Spill went to a trough that leads to the OWS. All of the OWS's are cleaned on a monthly basis.

Map Identification Number 171**MOTHER CLARA HALE DEPOT**

721 LENOX AVE

NEW YORK, NY

Spill Number: 0400382**Close Date: 04/20/2004**

TT-Id: 520A-0100-737

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10037

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Responsible Party

Caller Name: SHERRY BULKLEY

DEC Investigator: MCTIBBE

Spiller: SHERRY BULKLEY - NYCT

Notifier Name: SHERRY BULKLEY

Caller Agency: NYC TRANSIT

Contact for more spill info: SHERRY BULKLEY

Spiller Phone: (718) 243-4581

Notifier Phone: (718) 243-4581

Caller Phone: (718) 243-4581

Contact Person Phone: (718) 243-4581

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
04/13/2004		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL		PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

UNKNOWN WHAT HAPPENED, PART OF TANK SYSYTEM, 1/2 GALLON: WILL DO LINE TEST:

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE 04/20/04 - Transferred from Tipple to Tibbe. 1/2 gallon of diesel discovered in discharge sump 1b for diesel tank 1. Discharge line test @ 30psi and passed. No impact to the environment because the sump also tested tight. Unknown where the product came from. NYCT inspects sumps on a monthly basis and will make notification if the product reappears.

Map Identification Number 172 **CLARA HALE BUS DEPOT**
 721 LENOX AVE

MANHATTAN, NY

Spill Number: 0311426

Close Date: 03/30/2004
 TT-Id: 520A-0100-741

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: 721 LENOX AV

Revised zip code: 10039

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name: PASHKO CAMAJ

DEC Investigator: MCTIBBE

Spiller:

Notifier Name: FRANK OCELLO

Caller Agency: NYC TRANSIT

Contact for more spill info: PASHKO CAMAJ

Spiller Phone:

Notifier Phone: (718) 243-4581

Caller Phone: (718) 243-4581

Contact Person Phone: (718) 243-4581

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
01/09/2004		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL		PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1/2 GALLON OF GAS WAS FOUND IN A BLIND RISER FOR A DISCHARGE LINE #2. SOURCE IS CURRENTLY BENIG INVESTIGATED. BELIEVED TO BE JUST WASHED INTO RISER.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE Product discovered in blind riser of secondary for discharge line #2. Product was entering secondary through the dispenser pan, which is connected to the secondary. Product was entering the dispenser pan because operators were leaving the dispenser nozzle leaning over the pan and some residual product was dripping from the nozzle to the pan and then to the secondary. NYCT cleaned spill and re-sealed the dispenser pan shroud to prevent product from accumulating in pan.

Map Identification Number 173 **HALE (146TH STREET) DEPOT**
 LENOX AVE/146TH ST

MANHATTAN, NY

Spill Number: 0102743**Close Date: 01/10/2005**
TT-Id: 520A-0100-747

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Affected Persons

Caller Name: JIM TREANOR

DEC Investigator: MCTIBBE

Spiller: JOSEPHINE BROWN - NYCT

Notifier Name: JIM TREANOR

Caller Agency: NYC TRANSIT

Contact for more spill info: HUSSEIN

Spiller Phone:

Notifier Phone: (646) 252-3636

Caller Phone: (646) 252-3636

Contact Person Phone: (646) 252-3617

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors),
 contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/12/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	GALLONS	-1.00	GALLONS	SOIL

Caller Remarks:

contaminated soil found in the course of borings - conditions pre-existed - spiller unknown

DEC Investigator Remarks:

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

01-10-05: Soil contamination discovered in geotechnical boring performed for the future installation of an OWS. Boring is at the edge of an existing petroleum plume from the facilities diesel, waste oil and #4 heating oil tanks. Refer to 8902374, 8904241, 9813017.000

Map Identification Number 174**FREDERICK DOUGLASS ACADEMY**2581 ADAM CLAYTON POWELL JR BLVD
148TH STREET LENOX TERMINAL STATION

MANHATTAN, NY

Spill Number: 1608021**Close Date: 10/09/2018**

TT-Id: 520A-0325-468

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2412 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: 2581 ADAM C POWELL BLVD

Revised zip code: 10039

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name:

DEC Investigator: AAOBLIGA

Spiller: MUNENDRA N. SHARMA – NYC DEPT OF EDUCATION

Notifier Name:

Caller Agency:

Contact for more spill info: ISABEL

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (646) 252-5777

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
11/15/2016		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL		PETROLEUM	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

School next to building is leaking clean up is pending School has not been notified at this time

DEC Investigator Remarks:

11/16/2016: Rashad Called Isabel and left message.

11/17/16 – Oblgado – This spill has been assigned to me as per Vought as it is a NYCT subway facility.

According to Francine, NYCT observed an intrusion at 148th Street Station/Lennox Yard in Manhattan. With the water there is a sheen, and it is suspected the school, which has a boiler room on the other side of this wall has had a release. OSS has been told, no one from the school has been able to be contacted. The intrusion is intermittent, but was first identified sometime on Tuesday 11/15/2016.

We are seeking the assistance of NYSDEC, please advise if an investigation will be conducted to see if the school is the RP of this most recent intrusion. I believe Omar also called Isabel to follow up, and may be assigned to the case.

I called Francine Maebauer. The product is seeping into the under ground station. The seep is in a non public area. The hydraulics division believes that there is a tank adjacent to the station in the Frederick Douglas Academy. They will arrange for access for me to observe the seep.

I called DOE Fuel Division and spoke to Munendra at 718-349-5752 regarding PBS #2-354007 Public School 10 at 2581 Adam Clayton Powell Jr Blvd, which is the adjacent school. He said they have 2 15,000 double wall ASTs. I will meet Tilac Ramautar 347 764 3949 at the site.

11/18/16 – Obligado – I met Tilac at the site and we inspected the basement. There was approximately 2 inches of water in the basement and floating oil on the water leaking from an oil transfer pump. We walked outside to the NYCT subway yard and there was oil on top of water in a small alcove area adjacent to the building. Tilac hired Riteway who arrived and began pumping oil and water from the basement. They then proceeded to remove oil stained debris and pump out oil and water from the NYCT yard alcove area. When I left the site at 1600 hrs Riteway was still working in the yard area.

11/19/16– Obligado – I inspected the site first thing in the AM and observed that the NYCT yard alcove area still had water with floating oil on top, about a 20 square foot area, slightly smaller than the day before. After returning to the office I called Riteway and Anthony Lara said his guys finished pumping oil from the alcove area yesterday and today they were working in the tank room to pump oil and water from the tank room. He said that the oil I saw in the alcove had come back in over night after he pumped the area dry. He said the remediation work in the NYCT will be more complicated as the oil appears to be coming from the subsurface. He said there is about 3 ft of soil in that area that is likely contaminated and he does not have authorization from NYCT to do excavation in that area.

I called BOE Munandra and reiterated to him the situation in the NYCT yard and he agreed that additional work will need to be done but they will do what they have to do. He said they will do a full system test on the system to make sure there are no continuing leaks.

11/21/16 – Obligado – I spoke to Francine and told her the status of the clean up and that the remediation was more complicated due to subsurface impacts in the yard. We agreed to potentially have a site meeting to discuss further.

I called Rob Hill of Riteway. They are cleaning tank 1 today and they will test the system after. Tomorrow they will empty and clean and test Tank 2.

11/23/16 – Obligado – Representatives from NYCT (Francine Ocampo and others), DOE, and DEC (Obligado) and Riteway (Anthony Lara) met at the site to discuss the spill and remedial options. The subway yard alcove was still impacted by petroleum. Floating oil was still present on top of standing water. The following is a summary:

DOE will submit a Remedial Work Plan for to remediate the alcove. NYCT will provide subway yard as built of the Area of Concern to DEC, to provide to DOE. The Area of Concern is the alcove north of the walkway. We discussed remediation via a guzzler to remove contaminated soils, water, and product. The RAWP will need to be approved by NYCTransit. The RAWP will need to be P.E. Stamped.

11/30/16 – Obligado – I sent an email summary to all parties with the following points:

- According to the DOE, the tank system at the School passed a complete system test.
- At the time of the meeting, the sump pump in the school basement was still inoperable. DOE needs to replace the pump which may address high water table conditions.
- The DEC requires additional clean-up work in school tank vault which still had residual oil and contaminated material on the vault floor.
- The Area of Concern (AOC) for remediation in the subway yard is limited to the square alcove area west (school side) of

the elevated walkway. There may be as much as 3 feet of residual fuel oil contaminated soil on top of bedrock in the alcove from historic oil spill(s) from the school basement. The high water table appears to have brought residual oil to the surface. – The current conceptual remedial plan is to use a guzzler to remove oil and contaminated soil from the alcove. If feasible, the guzzler hose will snake through the gap between the school and subway station walls. Riteway may need to find an alternate type of hose which will fit through that gap. – NYCT will provide the DEC with as-built drawings of the AOC. DEC will provide drawings to DOE to develop a Remedial Action Work Plan (RAWP) – DOE will submit a RAWP for the remediation of the subway yard to the DEC. After DEC review, DEC will provide the RAWP to NYCT for approval.

– NYCT requires the RAWP to be signed by a P.E.

1/6/17 – Obligado – I sent Francine an email inquiring if they had located design drawings of the area in question yet.

1/10/17 – Obligado – I emailed Munendra to inquire about the status of the clean up in the School. According to Munendra the status is as follows:

Thus far both oil pumps and sump pumps were replaced. All debris and contaminated materials were removed and properly disposed. The entire tank room including the tanks were power washed clean. Both tanks are getting painted. When this is done we will we will epoxy paint the tank room floor.

1/12/17 – Obligado – I spoke with Francine Ocampo at NYCT system safety. They have no additional design drawings of the area in question. She said based on her discussion with NYCT MOW generally speaking the conceptual guzzler plan for soil removal was ok. I sent an email to Munendra informing him there are no additional design drawings and that he should submit a Work Plan to the DEC which will be forwarded to NYCT for review.

2/2/17 – Obligado – I inspected the boiler pump room and tank room with Anthony of Riteway and Tilak from DOE. The clean up in the building is complete. The entire tank vault has been cleaned and epoxy painted. He still plans to paint the boiler pump room. The sump pump has been repaired and was operational. In the NYCT yard, the ponded water and floating product has subsided below the surface. A small 1 x 1 pit was evident in the alcove, it is unknown who dug the pit. Free product was observed in the pit at about 1 ft depth, which is the presumed new depth to water when the sump pump is operational. It appears that the water level in the alcove yard and the sump room are hydraulically connected. Riteway will develop a remedial plan.

4/25/17 – Obligado – I sent a letter to the NYC Dept of Education Mr. Sharma notifying him that the RAWP is overdue. I required submission of the overdue RAWP within 30 days or this case will be referred to the office of General Counsel.

5/2/17 – Obligado – I received the work plan submitted by Riteway. I disapproved the work plan based on the below comments and required resubmission within 30 days.

1) results of Engineering Assessment included in the plan 2) Utility Markout prior to excavation 3) 8260//8270 analysis 4) Scaled site plan showing excavation area 5) submission of Remedial Action Completion Report after remediation 6) Remove cost and contract language from submission 7) Implementation Schedule

5/22/17 – Obligado – I received the revised Work Plan.

6/7/17 – Obligado – I completed review of the Work Plan. Items 2 and 4 were not addressed in this second submittal. Due to

failure to submit an acceptable and approvable workplan I sent Munendra Sharma of DOE a Stipulation Agreement to clean up the spill in accordance with a corrective action plan.

6/13/17 – Obligado – I spoke to Munendra over the phone. He said that Riteway did not have the resources to provide the RAWP the DEC required. He will have the School Construction Authority take over the clean-up as they have an engineering firm who is capable of preparing an appropriate work plan. I told him that I agreed with the proposed course of action.

7/14/17 – Obligado – I received a phone call from Melisa Demmet at SCA. SCA is taking over the clean up. A tentative site meeting is scheduled for 7/14/17 with AKRF and SCA.

7/19/17 – Obligado – I met SCA, AKRF, and NYCT personnel at the site. We inspected the school pump room and tank vault. We observed oil seeping up through the tank vault floor with the groundwater. Photos in edocs. There was a slight sheen on the water in the sump. We discussed the remediation plan. In light of the product seepage into the tank vault room, AKRF is considering doing some remedial investigation to determine the extent of the product plume beneath the building. Preliminary discussions for some hand borings in the basement and in the alcove. They will submit a Remedial Investigation Plan to the DEC for review.

8/9/17 – Obligado – I reviewed and approved an investigation workplan to do 5 soil borings in the school basement. The borings will be 3 ft deep or to bedrock, whichever is shallower. The purpose of the boring is to observe for the presence of LNAPL beneath the school basement floor. Prior to advancing soil borings they will perform a geophysical markout both in the school basement and in the alcove area in the NYCT transit property. I forwarded the workplan to Michael Mandac of NYCT for access approval.

11/1/17 – Obligado – I reviewed the Spill Delineation Report. 5 soil borings were advanced in the basement. The borings were advanced 3 ft until bedrock refusal. No Groundwater or LNAPL was detected in the borings. Elevated PID readings were detected between 47.8 ppm and 403 ppm in SB5. No LNAPL was detected in the soil borings. The report recommends excavation in accessible area, and to the amount practically feasible, collection of post excavation soil endpoint samples, and backfilling with clean backfill. I sent an email to Melissa Demerit concurring with the recommendations and requesting submission of a Remedial Action Work Plan.

11/6/17 – Obligado – RAWP received.

11/9/17 – Obligado – I reviewed the RAWP. The plan proposes to excavate the contaminated soil in the alcove area to extent feasible and collection of endpoint samples. I provided comments on the RAWP.

11/15/17 – Obligado – I reviewed a response from Melissa Demmett on my comments. She adequately addressed my comments. I sent an approval letter to NYCSA with 2 modifications, 1) remediation work during off-school days, 2) stockpiled soil will be covered with plastic sheeting. RAWP implementation upon approval from NYCT Office of System Safety.

3/27/18 – Obligado – I received an email from Melisa Demmet at the NYCSCA.

We would like to touch base with regard to the on-going coordination and delays of the project. In a February field meeting was set-up to discuss the scope of work between IEH, AKRF and Lyudmila Bord and Miron Kuchuk from the Capital Program Management (CPM) group of NYCTA. At that time SCA was still awaiting feedback regarding RAWP approval and/or comments.

Last week AKRF received a call from Norman Lindo of the NYCTA, and he has requested the submission of a full-sized stamped drawing set with cross-section views showing the existing Transit structures and the extent of our excavation. He is particularly concerned about our proposed excavation shifting the footings for the control house. Since we currently do not have access to this information, AKRF will need to try to obtain this information from the NYCTA microfilm records.

In addition to the stamped drawing set, Track Safety Training is required and will be arranged by NYCTA.

4/12/18 – Obligado – I received and approved a revised RAWP Figure 2. The figure adds a 3 foot buffer around NYCT transit structures due to concerns of undermining the footings for the control house.

9/26/18 – Obligado – Remediation Work was Completed the 1st week of August.. Report to be submitted by the end of next week.

10/9/18 – Obligado – I reviewed a Remediation Completion Report. 25 yards of contaminated soil was removed from the alcove down to the bedrock at 3 ft below grade. Additionally the oily water mixture was vacuumed out of the vaults. Manifests were included. A three foot buffer around NYCT structures and building footings prevented removal of all contamination. Several endpoint samples were above soil clean up levels for petroleum. While residual petroleum impacts remain, the spill has been remediated to the extent feasible based on constraints in the NYCT yard. Additionally, significant tank system repairs and oil clean up activities was undertaken in public school 10. This spill no longer appears to be a threat to human health or the environment. Spill closed.

Map Identification Number 175 **MELROSE –NYCHA**
 304 E 156TH ST

BRONX, NY

Spill Number: 9004480

Close Date: 01/26/2006
 TT-Id: 520A-0010-681

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING – LARGE SITE
 Approximate distance from property: 2434 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: 10451

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Responsible Party
 Caller Name: MIKE SIMONELLI
 DEC Investigator: SWKRASZE

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

Spiller Phone:
 Notifier Phone:
 Caller Phone: (212) 306-3142
 Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/23/1990		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

OIL IN BASEMENT SEEPS UP FROM FLOOR ONLY WHEN THERE ARE HEAVY RAINS, DEC TO INVESTIGATE.

DEC Investigator Remarks:

01/26/06: This spill transferred from J.Kolleeny to S.Kraszewski. This spill closed to consolidate with open spill #9800693. – SK

Map Identification Number 176 **MELROSE HOUSE –NYCHA**
 304 E 156TH ST

BRONX, NY

Spill Number: 0207044

Close Date: 05/05/2017
 TT-Id: 520A-0010-672

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING – LARGE SITE
 Approximate distance from property: 2434 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: 10451

Source of Spill: PRIVATE DWELLING
 Notifier Type: Other
 Caller Name: DECLAN POWER
 DEC Investigator: jkkann

Spiller: NY CITY HOUSING – MELROSE HOUSE
 Notifier Name:
 Caller Agency: A.L. EASTMAN
 Contact for more spill info: NY CITY HOUSING

Spiller Phone: (212) 725-1002
 Notifier Phone:
 Caller Phone: (718) 378-7000
 Contact Person Phone: (212) 725-1002

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/08/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

during removal of 20000 gal ust soil contamination discovered – soil stockpiled

DEC Investigator Remarks:

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

02/13/06: This spill transferred from J.Kolleeny to S.Kraszewski. – SK

9/22/06: Spill transferred from Kraszewski to Kann. –JK

07/22/10: Investigation work plan received on 7/15/10. JK

9/21/10: J.Kann – Quarterly Report recieved on 9/1/10.

5/11/12: J.Kann – Quarterly report recieved on 5/9/12.

9/6/12: J.Kann – Quarterly Report recieved on 8/21/12

5/21/13: J.Kann – QR rcvd 1/16/13

5/21/14: J.Kann – sent an email to NYCHA indicating The Department understands that a recovery system is operating, that monthly VEFR is being performed and that quarterly monitoring is currently being done at the following five sites:

Amsterdam Houses Elliott Houses Manhattanville Houses Melrose Houses Baruch Houses

Since wells at these five sites have consistently (based on quarterly reports received over the past year) had no product, a sheen or less than 0.08 inch of product in their wells, the Department would like NYCHA to temporarily cease operation of the systems and VEFR at these sites. For the next 4 months, the wells must be monitored to determine if any significant recharge of product occurs. Accurate readings of product thickness must be made, which may require using the gauging method used at South Jamaica Houses on May 19, 2014. In addition, during this 4 month time period, no absorbent socks should be placed in the wells.

Data from this monitoring, along with recommendations, must be included in the 2014 3rd quarter monitoring report for these sites, which is due to the Department by October 1, 2014. In the event that a significant recharge is noticed in any of the wells during these 4 months, the Department must be contacted immediately (within 72 hours of gauging).

2/5/15: J.Kann – Quarterly Status Reports were reviewed and the following email was sent to Yelena today: Based on the review of the 3rd and 4th Quarter Status reports for this site, the Department has the following comments:

–Based on the gauging data, there was minimal product found in three wells (1inch). If that occurs, the Department should be contacted to discuss how to move forward.

Please let me know when the next gauging event will take place. I would like to visit the site.

3/23/15: J.Kann – site visite made on 3/19/15. Min. thick oil noted in one RW. Informed NYCHA to take an accurate reading with the steel pipe method and that a closure request could be made.

5/5/17: J. Kann – April 2016–April 2017 gauging data submitted. Occasional skim in one RW.

– continued VEFR and monitoring performed monthly for the last seven years. A skim remains in one recovery well. Site being closed based on the following: –tanks, which were the source, were removed and replaced in 1997 –Measured product thickness in one RW has been a sheen for 2+ years –no dissolved phase contaminants detected in groundwater at the site.

–investigative work performed in the mid 1990s delineated the impacts on site and no off-site impacts found. –recovery system was operated from 1995– 2014 and has been shut down for over 3+ years and no significant recharge has been observed. As per Randy in a discussion of January 20, 2017 if less than 0.25 inches of No. 6 oil has been in on-site wells for 2+ years and contamination has been delineated all around the impacted area and there is nothing off-site and no dissolved phase in wells, spills can be closed. The Closure Letter should contain the contaminated soil clause. Spill closed.

Map Identification Number 177
 **APARTMENT BUILDING**
 250 WALTON AVE

BRONX, NY

Spill Number: 9802251

Close Date: 03/03/2003
 TT-Id: 520A-0008-784

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 2482 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Local Agency
 Caller Name: EELIE SAINT-JEAL
 DEC Investigator: TOMASELLO

Spiller: UNKNOWN FOR NOW
 Notifier Name: MR MARCELLUS
 Caller Agency: NYC HAZ MAT
 Contact for more spill info: OWNERS #

Spiller Phone:
 Notifier Phone: (212) 580-6764
 Caller Phone: (718) 595-4653
 Contact Person Phone: (917) 904-6768 ext. C
 ext: 0277

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/14/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
OTHER	OTHER	0	GALLONS	0	GALLONS	SOIL

The following material(s) was dropped or revised by the NYS DEC. Call Toxics Targeting for more information

OTHER PETROLEUM UNKNOWN 0 GALLONS 0 GALLONS

 Caller Remarks:

nyc haz mat got a call from a mr marcellus from con ed who reported a oil petroleum spill.unknown what type of oil petroleum it is.

 DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

SPOKE TO DEP 4:15 PM – WATER AND OIKL MIXTURE IN BASEMENT OF APT BUILDING.
 REP FROM CON ED SAW THIS ON 5
 DOES NOT HAVE HIS #

Map Identification Number 178



SERVICE BOX #4855

261 GR CONCOURSE/138TH ST

BRONX, NY

Spill Number: 0308959

Close Date: 12/22/2003

TT-Id: 520A-0010-411

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2482 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: 261 GRAND CONCOURSE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Local Agency
 Caller Name: RON ELLIOTT
 DEC Investigator: AERODRIG

Spiller: UNKNOWN – Unknown
 Notifier Name: RON ELLIOTT
 Caller Agency: CON EDISON
 Contact for more spill info: CALLER

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

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/22/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 qt unk oil in box – not on any water con ed #151235

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was RODRIGUEZ E2MIS 151235

22–Nov–2003 09:51 hrs. Environmental Flush Mechanic O. Negron # 18400 reports finding ~ 1 quart of unknown oil and ~ .5 gallons of antifreeze in service box and on asphalt pavement while attempting to flush the service box. There was/is no smoke, fire or injuries involved. There was/is no sewers, waterways or private property affected. The crew took an oil sample (COC# DD–07499)and will hang an environmental tag on the barricaded Service Box. Cleanup pending lab results.

22–Nov–2003 15:41 Hrs. Lab Sequence Number: 03–09459–001 Total PCBs <1.0 ppm

11/22/03 1900 hrs Clean Harbors tanker took 60 gallons of liquid. The crew double washed and rinsed the service box and removed 1 yard solids. Environmental tag #34759 was removed. Clean up completed.

Lab Sequence Number: 03–09461–001 Analysis indicates the presence of a substance similar to a dielectric fluid.

11/23/03 Oil ID indicates dielectric fluid but after the clean up was completed there was no evidence of any active leak and the source of the original leak could not be determined.

Map Identification Number 179**GASETERIA**

115 EAST 138TH STREET

BRONX, NY

Spill Number: 9408104**Close Date: 10/28/2003**

TT–Id: 520A–0013–277

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2508 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Responsible Party

Caller Name: ANGEL CHANG

DEC Investigator: JMRommel

Spiller: GASETERIA

Notifier Name:

Caller Agency: GASETERIA

Contact for more spill info:

Spiller Phone:

Notifier Phone:

Caller Phone: (718) 782–4200

Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
09/14/1994		OTHER	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE		PETROLEUM	52.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

TO TEST TANK (TOMASELLO)

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was ROMMEL to be investigated and remediated under spill 0207682 rommel

Map Identification Number 180



HIGHRISE BUILDING
775 CONCOURSE VILL EAST

BRONX, NY

Spill Number: 9709665

Close Date: 07/13/1998
TT-Id: 520A-0013-554

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2509 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 775 E CONCOURSE VILLAGE
Revised zip code: 10451

Source of Spill: PRIVATE DWELLING
Notifier Type: Local Agency
Caller Name: ALBERT GORDON
DEC Investigator: MCTIBBE

Spiller: UNKNOWN
Notifier Name: ALBERT GORDON
Caller Agency: NYC DEP
Contact for more spill info: ALBERT GORDON

Spiller Phone:
Notifier Phone: (718) 595-4714
Caller Phone: (718) 595-4714
Contact Person Phone: (718) 595-4714

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
11/19/1997		OTHER	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL		PETROLEUM	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

WORKERS FOR DEP NOTICED OIL IN THE TREATMENT PLANT THE WORKERS FOLLOWED THE SPILL BACK TO THE ABOVE LOCATION – IT'S COMING FROM 2 ABAN TANKS THAT WERE NOT DRAINED EACH TANK HOLDS 35,000 GALLONS 4 TANKS TOTAL ONLY 2 ARE LEAKING HIGHRISE SWITCHED TO NATURAL GAS LAST YEAR DEP ON SCENE MAKING CONTACT WITH RESPONSIBLE PERSONS

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead DEC Field was TIBBE NO LINK TO SPILL LOCATION. THIS SITE HAD MINOR CONTAMINATION OUTSIDE VAULT. NO SEWERS LINK TO VAULT AREA. NO FURTHER OIL FOUND IN SEWER.

Map Identification Number 181**STORAGE UNIT**

773 CONCOURSE VILLAGE E

BRONX, NY

Spill Number: 0305408**Close Date: 08/21/2003**

TT-Id: 520A-0013-555

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2509 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 775 E CONCOURSE VILLAGE

Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Affected Persons

Caller Name: ALFRED BROWN

DEC Investigator: TJDEMEO

Spiller: UNKNOWN

Notifier Name: ALFRED BROWN

Caller Agency:

Contact for more spill info: ALFRED BROWN

Spiller Phone:

Notifier Phone: (718) 537-0129

Caller Phone: (718) 537-0129

Contact Person Phone: (718) 537-0129

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
08/21/2003		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller recieved a letter about a spill of sometype of oil in the area and the fumes in his storage unit are very strong he doesn't know if anyone is doing a clean up

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was DEMEO closed – ref to #0305420

Map Identification Number 182 **218947; RUPPERT PLACE**
RUPPERT PLACE



BRONX, NY

Spill Number: 0914570**Close Date: 07/08/2010**
TT-Id: 520A-0249-070

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 2531 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: RUPPERT PL

Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: dmpokrzy

Spiller: ERT DESK – CON EDISON

Notifier Name:

Caller Agency:

Contact for more spill info: ERT DESK

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.
Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
10/23/2009		UNKNOWN	NO				
Material Spilled	Material Class		Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM		2.00	GALLONS	0.00	GALLONS	UTILITY

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

07/08/2010 See eDocs for Con Ed report detailing cleanup and closure DMP

Comments from CON Ed EMIS Report:

While contractor Allstate was cleaning vaults, crew discovered 2 gallons of oil on 200 gallons of water in structure. Two sample for oil id and pcb were taken.

10/23/2009 15:41 Clean Ventures filled the Vactor truck to capacity and took 2,727 kilograms of liquid to be disposed as 50-499 ppm at CycleChem facility. About 200 gallons of liquid remains in the structure to be removed and is contained. Job was changed

to a QUARTERLY and will be followed up next week when oil sample results are back. This structure is being retired and is a NON emergency job. Env tag 98044 was placed in the structure.

Map Identification Number 183
 **SPILL NUMBER 0200438**
 140TH ST & CANAL PL

Spill Number: 0200438
Close Date: 01/08/2004
 TT-Id: 520A-0010-361

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2532 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: E 140TH ST / CANAL PL
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Citizen
 Caller Name: BENJAMIN PLAZA
 DEC Investigator: JBVUGHT

Spiller: ENTERPRISE OIL CO
 Notifier Name: BENJAMIN PLAZA
 Caller Agency: TRUCK DRIVER
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone:
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
04/12/2002		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER IS A TRUCK DRIVER (HE SAYS HE IS ALWAYS ON THE ROAD & HAS NO CALL BACK #) – HE WAS TRYING TO MAKE A DELIVERY ON THAT STREET AND COULD NOT GET DOWN THE STREET BECAUSE THERE WAS OIL ALL OVER THE ROAD

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was VOUGHT 04/16/2002 –site visit by Tipple –RAPID FUEL OIL DID DELIVERY AND SPILLED ONTO STREET/SIDEWALK. ONE OF THE CREW SAID THAT THE SPILL WAS CONTAINED BEFORE THE RAIN STARTED. WHEN I ARRIVED ON THE SITE THE SPILL EXTENDED ALONG EAST 140TH STREET FROM THE CORNER OF CANAL AVE TO THE CORNER OF RYDER. TWO MEN WITH SHOVELS A VAN, SPEEDY DRY AND OILY WATER FLOWING INTO THE SEWER DRAIN AT THE CORNER OF 104 AND RYDER. THE VAN WAS NEARLY FULL OF OIL SOAKED DEBRIS. I TOLD THE CREW THAT THEY MUST STOP THE OIL FROM REACHING THE SEWER IMMEDIATELY, CALLED THE OIL COMPANY AND TOLD THEM THAT THEIR CLEANUP CREW WAS NOT SUFFICIENT TO EFFECTIVELY CLEAN THE SPILL. I WAS ASSURED THAT ABC WAS CALLED TO COMPLETE THE CLEANUP.

THE SPILL HAD NOT BEEN CALLED IN BY EITHER THE BUILDING MAINTENANCE OR THE OIL COMPANY. I ALSO CALLED DEP TO INFORM THEM OF THE OIL IN THEIR DRAIN. CALLED ABC ON TEUSDAY 4/16 CLEANUP COMPLETED.-

1/8/04-Vought-Spill closed as per Tipple. Spill on concrete and in drain with no pathways to subsurface or groundwater. Spill closed by Vought.

Map Identification Number 184**HESS/MERIT GAS STA.**

120 WEST 145TH STREET

MANHATTAN, NY

Spill Number: 9212043**Close Date: 04/21/2004**

TT-Id: 520A-0093-707

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2583 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Responsible Party

Caller Name: AL FERREIOLLO

DEC Investigator: WXSUN

Spiller: HESS/MERIT GAS STA.

Notifier Name:

Caller Agency: MERIT OIL-PROJ COORDINATO

Contact for more spill info:

Spiller Phone:

Notifier Phone:

Caller Phone: (516) 731-4100

Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/20/1993		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM VAPORS (PETROLEUM)	PETROLEUM PETROLEUM	-1.00 0	POUNDS POUNDS	0.00 0	POUNDS POUNDS	AIR AIR

Caller Remarks:

VAPORS COMING UP AROUND CONUCTS FOR ELECTRIC LINES,F.D. WAS AT SCENE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was SUN 04/22/2004-File Update by Sun:

-Update Report (October 2003 through January 2004) by EnviroTrac: Four (4) monitoring wells were gauged and sampled on

1/30/2003. The depths to groundwater ranged from 13.95 to 15.65 feet below grade. Groundwater flow direction was towards the southwest. No free product was detected in any of the monitoring wells. Based on the groundwater sampling data of this report and based on overall downward trend of chemical concentrations of compounds over the last three sampling events, and no sensitive receptor is located up and down-gradient of MW-4, this spill is closed.

Map Identification Number 185 FORMER MERIT/FORMER HESS STATION

122 WEST 145TH ST

MANHATTAN, NY

Spill Number: 1606459**Close Date: 12/06/2016**

TT-Id: 520A-0324-139

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)

Approximate distance from property: 2583 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Other

Caller Name:

DEC Investigator: JBVOUGHT

Spiller: SPEEDWAY

Notifier Name:

Caller Agency:

Contact for more spill info: MATT BUTLER

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (732) 738-2924

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
09/29/2016		UNKNOWN	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE		PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

spill is contained and clean up is in progress

DEC Investigator Remarks:

09/29/16-Hiralkumar Patel. alternate address: 120-138 W 145th Street

PBS #: 2-297607. as per PBS record, the site has/had following tanks: – five (5) 4,000 gal gasoline/ethanol USTs, in-service, installed in Jun. 1993 – one (1) 550 gal other product UST, in-service, installed in Jun. 1993 – two (2) 2,000 gal gasoline USTs, removed in May 1993 – four (4) 4,000 gal gasoline USTs, removed in May 1993 – one (1) 550 gal other product UST, removed in May 1993

other spills #: 8606425, 9210186, 9212043

spill #: 8606425 was reported on 01/15/1987 due to tightness test failure of gasoline tanks. case closed. spill #: 9210186 was reported on 12/02/1992 due to tightness test failure of two (2) 4,000 gal and one (1) 2,000 gal gasoline tanks. case closed. spill #: 9212043 was reported on 01/21/1993 due to petroleum vapor coming up from ground. case closed.

3:18 PM:– spoke with Mr. Butler at Speedway. he mentioned that the site is owned by Hess, which has now merged with Speedway. currently, Speedway is closing gas station on–site. they have removed on–site tanks. the tanks were found in good condition. during removal of remote fill line, they came across some historical contamination under the sidewalk. Speedway will continue soil remediation and will collect endpoint samples. they will remove dispensers and associated piping.

Hess Retail Stores LLC.

property owner c/o Speedway LLC. 500 Speedway Drive Enon, OH 45323 Attn.: Matthew Butler (105 Fieldcrest Ave., 5th Floor ~ Suite 505 Edison, NJ 08837) Ph. (732) 738–2756/2924 email: mbutler1@speedway.com

Edward Russo EnviroTrac

contractor working for Speedway Ph. (631) 924–3001 email: edr@envirotrac.com

09/30/16–Hiralkumar Patel. 2:51 PM:– sent letter to Mr. Butler requiring endpoint samples. asked him to submit report by the end of 11/18/16. letter emailed to Mr. Butler, Ed and DEC Zhune.

case assigned to DEC Zhune.

12/6/16–Vought–This spill reassigned from DEC Zhune to Vought as Vought assisted Zhune with review, Zhune out of office, and impending property transaction and request for expedited review. Vought received email on 11/21/16 from Speedway (Mathew Butler email:mbutler1@speedway.com Ph:732–738–2924) that Jeff, We appreciate the DEC’s time today to discuss the UST closure and the historic details of closed Spill #9212043. As requested, attached are copies of the documents associated with the historic Spill that supported DEC closure, as well as a copy of the NFA letter. The documents provided include:

1995 UST Closure Report prepared by GES, 700 tons of soil was removed from the site during the project.

1996 Site Assessment Report prepared by GES summarizing installation of four monitoring wells (MW–1 through 4). 1998 Remedial Investigation Report prepared by GES summarizing a 1996 GeoProbe investigation and slug test. 2004 1st Quarter Update Report prepared by EnviroTrac. April 22, 2004 No Further Action Letter.

The property is being sold to an adjacent property owner who has interest in the air rights. Based on recent conversations with the buyer there is no current plans for site development. However, if development occurs the future use of the property is restricted to allow industrial/commercial use, limit residential use to upper floors and require a vapor barrier/vapor mitigation system be installed for residential use. The specific language in the sale agreement restricting property use is provided below. ~The use of the Property shall be restricted solely to (i) industrial/commercial use within any portion of the improvements located at the Property, and (ii) to the extent permitted by applicable zoning, residential use on and above the second floor of any improvements located at the Property; provided that any residential use at the Property shall be further conditioned on the installation and maintenance of a vapor barrier and vapor mitigation system at the Property.~ ^The installation and/or existence of potable wells on the Property is prohibited. The groundwater underneath the Property shall not be used for any purpose

whatsoever. This restriction, however, does not prohibit the installation or use of any compliance wells, or any groundwater monitoring, recovery or extraction wells or similar devices, used for or related to the performance of any Corrective Action.” The recent tank removal and corresponding closure sampling do not indicate the presence of a new spill condition associated with this tank system. With the exception of a small area of petroleum impacted soil near the remote fill, which was fully removed through excavation, field observations made during the tank removal did not identify any petroleum impacted soil surrounding the tanks. The impacted soil within the area of the tank field was identified three feet below the tanks under a two foot thick concrete pad (tank anchor). The pea gravel and concrete below the tanks showed no evidence of petroleum impacts. As shown on Figure 2 of the attached 1998 RIR, the former tank system that was removed in 1994 was located immediately adjacent to the recently removed tanks. Based on this information, the conditions identified beneath the tank anchor do not represent a new Spill condition and appear to be associated with Spill #9212043. In addition, all soil VOC concentrations were detected below Part 375 Restricted Use Soil Cleanup Objectives (Commercial) and the future use will be restricted as detailed above. Speedway requests DEC closure for Spill #1606459, as this is a re-reporting of closed Spill #9212043. Again, we appreciate the DEC’s timely review of the information provided as it will greatly assist us in finalizing the property transaction, as the sale is scheduled for the very near future. Feel free to contact Ed Russo at EnviroTrac or myself if you have any questions.

12/6/16–Vought–Reviewed email above with attachments including reports from closed spill 9121043. Reports for that spill document the following: Soil contamination up to 145,800ppb Total BTEX that was left in place after a tank upgrade around 1/95; Soil contamination left in place around the dispenser islands up to 21,870ppb Total BTEX; Soil contamination around the former waste oil UST left in place up to 139ppb Total BTEX; Removal of 701 tons of contaminated soil during this upgrade; Groundwater at depths of 12–15’bg; measured groundwater flow to the southeast; attenuation of groundwater samples (including those down-gradient of former tanks, dispensers, waste oil tanks) from 9/94 through 1/04; groundwater levels in 1/04 that were within natural attenuation ranges as per prior guidance from DEC Central office; no sensitive down-gradient receptors (commercial grocery store down-gradient with basement likely above water table). This spill closed as this spill was for discovery of contaminated soils around the former UST pad (already historically documented via closed spill 9212043) and contaminated soils around remote fill port (which were excavated fully to below Unrestricted SCOs) as per Speedway. Spill also closed as down-gradient impact of spills previously documented under spill 9212043 to be naturally attenuating and spill is not a threat to the wider community as per guidance from DEC Central Office. Spill also closed and soil contamination removal not feasible as per CP-51 Guidance and prior guidance from DEC Central Office. Furthermore site also has a sale agreement restriction to only commercial industrial use on ground floors and notes a vapor barrier/mitigation system will be installed if the property is ever developed as residential. Spill also closed as Spill Closure letter to include standard cautionary statement on possible necessity of vapor mitigation if site use ever changes. Spill also closed as all source USTs and piping are no longer being used and as such no petroleum source remains. Vought added summary site plans to D2. Vought sent email to Speedway (Butler) with cc to Envirotrac (Rennnie and Russo) that Matt, Thanks for your patience on the review. Unfortunately Veronica has not been feeling well and has been out of the office for the past week. Due to the impending property transaction, I have reviewed the files you sent as well as the current data, and the Department has closed the above referenced spill effective today. What is the address for the Spill Closure letter? Thanks .

12/6/16–Vought–Received reply from Butler that Jeff, Thanks for the review, I understand you guys have heavy case loads. Please send the NFA letter to our corporate office to my attention.

Speedway LLC 500 Speedway Drive, Enon, OH 45323

Could you also please email me a copy of the NFA letter? Thanks Vought drafted Spill Closure letter, added to D2, sent via US Mail, and sent via email to Butler with cc to Rennie and Russo.

2/22/17–Vought–Received email from DEC Rivera on 2/22/17 that Good Morning,I received an inquiry from the Assemblyman's office where this site is. It seems to be a former Hess gas station that is now gated. They are asking if we have anything on file at this site or any info on what's going on here. Does the address pop up in anyone's program? RSE replied to Rivera with copy of these spill notes.

Map Identification Number 186**PATTERSON HOUSES –NYCHA**

301 EAST 143RD STREET

BRONX, NY

Spill Number: 0506695**Close Date: 12/30/2009**

TT-Id: 520A-0012-081

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2594 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10451

Source of Spill: PRIVATE DWELLING

Notifier Type: Responsible Party

Caller Name: FRANK INOA

DEC Investigator: jkkann

Spiller: FRANK INOA

Notifier Name: FRANK INOA

Caller Agency: NYC HOUSING AUTHORITY

Contact for more spill info: FRANK INOA

Spiller Phone: (718) 707-5718

Notifier Phone: (718) 707-5718

Caller Phone: (718) 707-5718

Contact Person Phone: (718) 707-5718

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
08/31/2005		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

TANK REMOVAL, SOIL BORINGS WERE DONE AND CAME BACK SHOWING CONTAMINATION

DEC Investigator Remarks:

11/1/05: This spill transferred from J.Kolleeny to S.Kraszewski.

9/22/06: Spill transferred from Kraszewski to Kann.

12/30/09: J.kann – spill consolidated with 8906597

Map Identification Number 187**STAINED SOIL FOUND IN EXCAVATION**
EAST 138 STREET & EXTERIOR STREET

BRONX, NY

Spill Number: 0709365**Close Date: 12/28/2007**
TT-Id: 520A-0212-769

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2595 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: E 138TH ST / EXTERIOR ST

Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: gdbreen

Spiller: ERTSDESK - CON EDISON

Notifier Name:

Caller Agency:

Contact for more spill info: ERTSDESK

Spiller Phone: (212) 580-8383

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/29/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

FOUND WHILE ON SITE AND IT HAD DISCOLORED SOIL AND ODOR.

209007

DEC Investigator Remarks:

12/28/07 - See eDocs for Con Ed report detailing cleanup and closure. 209007. see eDocs

Map Identification Number 188**15 WEST 139 STREET**
15 W 139TH ST

MANHATTAN, NY

Spill Number: 0410113**Close Date: 04/26/2005**
TT-Id: 520A-0093-634

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2638 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
 Notifier Type: Local Agency

Spiller: AXELROD MGMT
 Notifier Name: RENEE LEWIS

Spiller Phone:
 Notifier Phone: (718) 378-7000 ext. 15

Caller Name: RENEE LEWIS

Caller Agency: EASTMAN & SONS

Caller Phone: (718) 378-7000 ext. 15

DEC Investigator: CESAWYER

Contact for more spill info: DAVID

Contact Person Phone: (212) 368-8110

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/10/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

917-299-7257 is the callback number.

DEC Investigator Remarks:

04/26/05 – Sawyer – Repairs done, tank tested and passed. There was no contamination detected. No further action required for this spill. Closed.



CLOSED STATUS HAZARDOUS SPILLS – MISC. SPILL CAUSES – EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, VANDALISM AND STORMS – WITHIN 1/2 MILE SEARCH RADIUS.
 All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

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

Map Identification Number 189


USPS VEHICLE MAINT. FAC.
 580 GERARD AVENUE

NEW YORK CITY, NY

Spill Number: 9213223

Close Date: 05/11/2001

TT-Id: 520A-0010-606

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name: BOB SKRIVANUEK

DEC Investigator: SJMILLER

Spiller: GERARD AVE VMF

Notifier Name:

Caller Agency: U.S. POSTAL

Contact for more spill info:

Spiller Phone:

Notifier Phone:

Caller Phone: (212) 330-3123

Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/27/1993		EQUIPMENT FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	AIR

Caller Remarks:

EXCAVATING TANK AT 580 GERARD, FOUND GASOLINE ODOR, TANKS ARE BEING REMOVED, VENTING AREA, WILL CONTRACT FOR ENGINEERING SVC. & REPAIR. ON MONDAY WILL COME BACK TO REMOVE ALL CONTAMINATION AND SOIL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was MILLER 5/11/2001, OFF HOURS REPORT REASSIGNED FROM TANG TO RESPONDER MILLER. CROSS-REFERENCE TO SPILL REPORT NO. 9007668: SAME FACILITY. ACCORDING TO ATC REPORTS: NINE 550GAL GASOLINE USTS WERE REMOVED IN 1993 WITH APPROX. 22 TONS OF CONTAMINATED SOIL. 2000 SUBSURFACE INVESTIGATION SHOWED NO VISUAL, NO OLFATORY, VERY LOW PID EVIDENCE OF CONTAMINATION/RELEASE; SOIL ANALYSIS SHOWED NON-DETECT FOR VOCs & PAH LEVELS WERE CONSISTENT WITH OBVIOUS FILL MATERIAL (i.e., COAL/ASPHALT); GROUND WATER ANALYSIS SHOWED NON-DETECT/TRACE PAHS & NON-DETECT/VERY LOW VOCs.

Map Identification Number 190



IN SEWER OR VAULT

GERARD AV & E150TH ST

BRONX, NY

Spill Number: 9909080

Close Date: 10/29/1999

TT-Id: 520A-0010-608

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 213 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: GERARD AV / E 150TH ST

Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Local Agency

Caller Name: JACK ILER

DEC Investigator: CAENGELH

Spiller: RICHARD ROACH - CON EDISON

Notifier Name: RICHARD ROACH

Caller Agency: US COAST GUARD

Contact for more spill info: RICHARD ROACH

Spiller Phone: (212) 580-6763

Notifier Phone: (212) 580-6764

Caller Phone: (718) 354-4136

Contact Person Phone: (212) 580-6763

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
10/26/1999		EQUIPMENT FAILURE	NO		NO		
Material Spilled	Material Class		Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM		130.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

transformer leaked causing spill of product into sewer or into a vault - was an under ground transformer - unk what is being done for clean up

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was ENGELHARDT Same as 9909034 so closed. 130 gallon figure was determined based on what was removed from difference between transformer capacity and the combined amount removed from the vault

and the transformer. The rest is either sorbed into the sediment in the vault or is assumed to have escaped to the sewer.

Map Identification Number 191**MANHOLE 4513**

EAST 15TH ST – GERARD AVE

BRONX, NY

Spill Number: 9908955**Close Date: 02/22/2002**

TT-Id: 520A-0010-609

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 213 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: GERARD AV / E 150TH ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name: BILL MURPHY

DEC Investigator: CAENGELH

Spiller: CON EDISON

Notifier Name: MR BUCCI

Caller Agency: CON EDISON

Contact for more spill info: BILL MURRAY

Spiller Phone:

Notifier Phone: (914) 925-6211

Caller Phone: (212) 580-6763

Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/23/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL FROM A CABLE ABOUT 8 OUNCES SPILL IS IN THE PROCESS OF BEING CLEANED UP CON EDISON REF 128609

DEC Investigator Remarks:

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

Map Identification Number 192**MAN HOLE #4513**

GERALD AVE AND 150ST.

BRONX, NY

Spill Number: 0311499**Close Date: 03/10/2004**

TT-Id: 520A-0010-610

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 213 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: GERARD AV / E 150TH ST

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Responsible Party
 Caller Name: ANDREW MORRIS
 DEC Investigator: JHOCONNE

Spiller:
 Notifier Name: MR. FISHER
 Caller Agency: CON ED
 Contact for more spill info: MR.KINDBERG

Spiller Phone:
 Notifier Phone: (212) 580-6763
 Caller Phone: (212) 580-6763
 Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
01/12/2004		EQUIPMENT FAILURE	NO		NO		
Material Spilled	Material Class		Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM		2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

ABOUT 2 OUNCES OF DIELECTRIC FLUID WAS SPILLED. THE SPILL IS NOW CONTAINED

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL e2mis no. 151699:

12-Jan-2004 11:00 hrs Sr. Engineering Tech G. Graci (42890) while inspecting feeder 2X08 located in manhole 4513, reports finding ~ 2 oz dielectric fluid leaking from abandoned piece of 3c600 PILC cable coming out from the duct. Crew took sample for PCB.

Lab Sequence Number: 04-00225-001 PCB 5 PPM

1/15/04 the abandoned piece of 3c600 PILC cable coming out from the duct was sealed.

1/20/04 Flush mechanic Esham Gafur reports structure was double washed with Bio-gen 760. All waste water was taken into vactor. Crew took 800 lbs of lead hazardous waste into vactor truck. The structure has a cement sump and there is NO sewer connection. The source of the oil was a open end of an abandoned piece of 3c600 PILC cable. This has been sealed.

Map Identification Number 193 **HARLEM FURNITURE**
 620 GERARD AVE

BRONX, NY

Spill Number: 1205845

Close Date: 05/24/2016
 TT-Id: 520A-0277-915

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 262 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name:

DEC Investigator: TJDEMEO

Spiller: HARLEM FURNITURE

Notifier Name:

Caller Agency:

Contact for more spill info: ISSAC LEVEANE

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (718) 401-1900

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/03/2012		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	

Caller Remarks:

spill to paved area/FD had put speedy dry down

DEC Investigator Remarks:

09/12/12–Zhune spoke to Xi Chen (646)763-2597. he said the Bronx Borough president wrote a letter. DEP received that letter. DEP–Xi Chen responded to this spill. As per Xi Chen there are heating oil residual on the sidewalk at this address.

09/12/12– Zhune discussed with Randy Austin. As per Randy not immediately response nedded. Site can be visited next time when someone is in the bronx.

12/19/12 AFrischeisen Spoke with Xi Chen from NYC DEP Hazmat: stone slab protruding from the building with a locked valve line on top, possibly for fuel deliveries. 1 or 2 gallons of product found next to it. Fire Dep put SpeedyDry on it, no new oil coming out. Furniture store is renting and does not have access to basement. TTF Letter sent and upped to eDocs.

5/24/16 TJD File review. FDNY & NYCDEP both previously involved in initial response of sidewalk spill, reported as 5 gallons #2 FO. Discharge estimate was later updated to 1–2 gallons by NYCDEP. Spill administratively closed based upon age and nature of complaint.

Map Identification Number 194 **138 EAST 150TH STREET**
 138 EAST 150TH STREET

BRONX, NY

Spill Number: 9310947**Close Date: 12/10/1993**
TT-Id: 520A-0008-180

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 369 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING

Notifier Type: Other

Caller Name: PETE LEPORE

DEC Investigator: CAMMISA

Spiller: UNK

Notifier Name:

Caller Agency: WHALECO

Contact for more spill info:

Spiller Phone:

Notifier Phone:

Caller Phone: (718) 852-7000

Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/09/1993	12/10/1993	TANK OVERFILL	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

VENT ALARM BROKE – TANK WAS ALREADY PULL. SENDING SOMEONE THERE TO CHECK IT OUT. THEN WILL CLEAN UP, SPEEDY DRY – WILL BE USED – BAG IT & DISPOSE OF IT.

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

Map Identification Number 195 **APART**
 175 EAST 151 STREET

BRONX, NY

Spill Number: 0805192**Close Date: 08/13/2008**
TT-Id: 520A-0220-320

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 404 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 175 E 151ST ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: LEON BATTISTE – APART	Spiller Phone:
Notifier Type: Local Agency	Notifier Name:	Notifier Phone:
Caller Name:	Caller Agency:	Caller Phone:
DEC Investigator: HRAHMED	Contact for more spill info: LEON BATTISTE	Contact Person Phone: (718) 585-7019

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended

08/05/2008		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

ongoing near fillport:

DEC Investigator Remarks:

Sangesland left a voice message with Leon Battiste to call back with more information on the problem with the oil fill port at the building. ***Site visit may be required***

08/13/08–HRAHMED–DEC Ahmed responded to the site on 08/12/08. Noticed oil stain around the fill port on sidewalk. Met with building cleaner James. Ahmed told James that they need to clean the oil stain around the fill port. He asked Ahmed to call the building Management at 718 548 8800. Ahmed called that number and spoke to Meben and told about the requirements to clean the fill port. She told that she would email her boss to arrange cleanup. After cleanup she would call DEC Ahmed to report the cleanup. When Ahmed was leaving the site, he saw James trying to cleanup the stain with a shovel. Ahmed took some pictures and uploaded to eDocs. Since its only a minor stain, as per field observation, this case is closed.

Map Identification Number 196 **611 GRAND CONCOURSE**
 611 GRAND CONCOURSE

BRONX, NY

Spill Number: 9209173

Close Date: 03/22/1995
 TT-Id: 520A-0008-111

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 457 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY
 Notifier Type: Responsible Party
 Caller Name: JERRY GARNETT
 DEC Investigator: O'DOWD

Spiller:
 Notifier Name:
 Caller Agency: MOBIL OIL
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (913) 752-7495
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/06/1992	03/22/1995	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

Caller Remarks:

ALRM SYSTEM INDICATED LEAKS AT ALL PROBE SITES

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

Map Identification Number 197 **611 GRAND CONCOURSE/MOBIL**
 611 GRAND CONCOURSE

NEW YORK CITY, NY

Spill Number: 8902680

Close Date: 03/21/1991
 TT-Id: 520A-0007-942

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 457 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Tank Tester
 Caller Name: DAN RODDEN
 DEC Investigator: SULLIVAN

Spiller: UNKNOWN
 Notifier Name:
 Caller Agency: TYREE BROS
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (516) 249-3150
 Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
06/05/1989	03/21/1991	HUMAN ERROR	2-156299	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

DOING EXCAVATION OF TANKS, APPROXIMATELY 400 YDS OF CONTAMINATED SOIL TO BE REMOVED.

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

Map Identification Number 198



MOBIL GAS STATION

611 GRAND CONCOURSE

BRONX, NY

Spill Number: 1510416

Close Date: 01/25/2016

TT-Id: 520A-0313-122

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 457 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Other

Caller Name:

DEC Investigator: HRAHMED

Spiller: ALLIANCE AND GLOBAL -- ALLIANCE AND GLOBAL

Notifier Name:

Caller Agency:

Contact for more spill info: ALLIANCE AND GLOBAL --

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (781) 674-7780

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/22/2016		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	1.00	GALLONS	0.00	GALLONS	

Caller Remarks:

into containment -- cleanup done --

DEC Investigator Remarks:

01/25/16– Ahmed – Spoke to Merly Diaz (888–302–4875) at ESF. As per her, the nozzle of a pump island didn't stop after a customer was done with filling up the gas tank due to mechanical failure. The gas station operator shutoff the pump island valve and took the island out of service until they fix the problem. 1 gallon of regular grade gasoline spilled on concrete and was cleaned up by absorbent.

Spill closed.

Map Identification Number 199



GAS STATION

611 GRAND CONCOURSE

BRONX, NY

Spill Number: 1214560

Close Date: 02/22/2013

TT-Id: 520A–0280–864

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 457 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name:

DEC Investigator: SFRAHMAN

Spiller: ISLAND TRANSPORTATION

Notifier Name:

Caller Agency:

Contact for more spill info: FF KEARNEY

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (347) 203–6886

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended

01/13/2013		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	75.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 transformer vault – cleanup in progress

DEC Investigator Remarks:

01/14/13 Spoke with FD and ConEd. Approx. 70 gallon spilled on the concrete surface due to equipment malfunction. No soil or sewer drain was impacted. Island Transportation performed the clean up. The operator of the station retained Island Pump and Tank

to check the UST system and it passed. Therefore, the station was not shut down. I spoke with Ted Norelius, 516-782-6020 and he told me that the UST system is ok.(sr) Austin – Note: see also spill # 1214561, which is Con Ed's report for the same event, and details their cleanup operation – end

Map Identification Number 200**AMOCO**

99 EAST 149TH ST

BRONX, NY

Spill Number: 9708729**Close Date: 11/07/1997**

TT-Id: 520A-0008-685

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 475 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Citizen

Caller Name: SUSAN

DEC Investigator: MMMULQUE

Spiller: AMOCO GAS STATION AT

Notifier Name: MR TIM WILLIAM

Caller Agency: DEP

Contact for more spill info:

Spiller Phone:

Notifier Phone: (917) 923-7031

Caller Phone: (718) 595-6777

Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
10/25/1997		DELIBERATE	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL		PETROLEUM	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

CALLER STATES SOMEONE AT GAS STATION WAS DUMPING OIL INTO SEWER

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was MULQUEEN 10/30/97 mmm:INSPECTED STATION AND LUBE FACILITY. FOUND NO EVIDENCE OF DELIBERATE DUMPING.

Map Identification Number 201 **212353; GERARD AVENUE AND EAST 151 STREET** **Spill Number: 0814269** **Close Date: 10/07/2009**
 GERARD AVENUE AND EAST 151 STREET NEW YORK, NY TT-Id: 520A-0248-082

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 537 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: GERARD AVE / E 151ST ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: DMPOKRZY

Spiller: ERT DESK - CON EDISON

Notifier Name:

Caller Agency:

Contact for more spill info: ERT DESK

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.
 Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/08/2008		EQUIPMENT FAILURE		

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	UTILITY

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

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

Map Identification Number 202 **212325; GERARD AVENUE AND E151 STREET** **Spill Number: 0814261** **Close Date: 10/20/2008**
 GERARD AVENUE AND E151 STREET NEW YORK, NY TT-Id: 520A-0248-080

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 537 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: GERARD AVE / E 151ST ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: DMPOKRZY

Spiller: ERT DESK - CON EDISON

Notifier Name:

Caller Agency:

Contact for more spill info: ERT DESK

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.
 Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/07/2008		EQUIPMENT FAILURE		

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	UTILITY

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

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

Map Identification Number 203 **GRAND CONCOURSE REALTY CO**
 557 GRAND CONCOURSE

BRONX, NY

Spill Number: 0007591

Close Date: 10/01/2004
 TT-Id: 520A-0007-285

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 568 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Local Agency
 Caller Name: BRUCE BECK
 DEC Investigator: KMFOLEY

Spiller: BRUCE BECK – WOLF PETROLEUM
 Notifier Name: BRUCE BECK
 Caller Agency: NATIONAL ENVIRONMENTAL
 Contact for more spill info: BRUCE BECK

Spiller Phone: (631) 226-9080
 Notifier Phone: (631) 422-3370
 Caller Phone: (631) 422-3370
 Contact Person Phone: (631) 226-9080

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/27/2000		TANK OVERFILL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

tank was either overfilled or failed

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was K FOLEY

12/4/03 Reassigned from Sangesland to Foley. Wolf Petroleum site.

2/24/04 File review(KMF): 2/6/01 UST closure report submitted by National Environmental for 1 550gal waste oil UST. Minor SVOC and lead issues. During excavation, 2 endpoint samples showed slightly above STARS. 1 composite sidewall sample was higher in SVOCs.

Subsequent borings show ND or under MDLs for VOC/SVOC when tested by TCLP. These borings were taken 8–10' below bottom of excavation.

10/1/04 NFA mailed.

Map Identification Number 204 **207264; SWC GERARD AVE & E149 ST**
 SWC GERARD AVE & E149 ST

BRONX, NY

Spill Number: 0890157

Close Date: 08/07/2007
 TT-Id: 520A-0218-375

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 571 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: GERARD AVE / E 149TH ST

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: Unassigned

Spiller: ERT DESK – CON EDISON

Notifier Name:

Caller Agency:

Contact for more spill info: ERT DESK

Spiller Phone:

Notifier Phone:

Caller Phone:

Contact Person Phone: (212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended

07/29/2007		EQUIPMENT FAILURE		

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0.25	GALLONS	0.00	GALLONS	UTILITY

Caller Remarks:

MH4506 1 quart of cable oil on concrete floor of structure Closed: Agency Approval Not Required

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

Map Identification Number 205 **MANHOLE#4510**
 EAST 149 ST/GERARD AVE

BRONX, NY

Spill Number: 0406667

Close Date: 09/21/2004
 TT-Id: 520A-0010-595

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 571 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: E 149TH ST / GERARD AVE

Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: ERT DESK – MANHOLE#4510	Spiller Phone: (212) 580-8383
Notifier Type: Other	Notifier Name: TOM MARCINEK	Notifier Phone: (212) 580-6763
Caller Name: TOM MARCINEK	Caller Agency: CON ED	Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE	Contact for more spill info: ERT DESK	Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/09/2004		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL
DIELECTRIC FLUID	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

1/2 gallon spilled.poor seal on end of cable caused the spill.no smoke,fire,sewers,or waterways affected.the 1/2 pint was discovered at 9:30 this morning.they recapped it to stop the leak

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'CONNELL e2mis no. 155286:

1 pt. of oil from a leaking cable end cap seal onto concrete contained in MH 4510.

Lab Sequence Number: 04-07201-001 PCB 30 ppm.

At 10:30 UG Env. Mech A Ed Cedeno and R. Fontan started cleanup. O/S Charles D'Alisera capped and sealed leaking cable ends.

9/10/04 1300 hrs. UG Env Mech A Ed Cedeno 03384 reports CFS removed 60 gals of liquid to be transported and disposed of at Astoria TSDF and Flush 200 Lbs solids to transport to Hellgate Flush facility. Double washed and rinse with 760 bio-gen solution. Cable ends were sealed.

17-SEP-2004 10:00 hrs. Incident being re-opened due to re-leak of sealed cable ends. U/G Supervisor G. Meiers 14850 reports sealed ends have re-leaked and 1/2 pt. of dielectric fluid has leaked onto recently cleaned MH concrete floor. Cable ends have been re-sealed with larger sealing boot preventing further cable end dielectric fluid leakage. Crew is starting cleanup as of 10:30hrs.

17-SEP-2004 11:47 hrs U/G Supervisor G. Meiers 14850 reports cleanup completed. Affected area of concrete manhole floor was spot cleaned. Area was double washed using 760 biogen soap and absorbants.

Map Identification Number 206



MAJOR DEEGAN EXPRESS WAY

NEAR 150TH ST

BRONX, NY

Spill Number: 9815541

Close Date: 01/22/2003

TT-Id: 520A-0014-274

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 638 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: MAJOR DEEGAN EXPRESSWAY

Revised zip code: 10451

Source of Spill: COMMERCIAL VEHICLE

Notifier Type: DEC

Caller Name: STEVE SANGESLAND

DEC Investigator: SMSANGES

Spiller: UNKNOWN

Notifier Name: OFFICE LUM

Caller Agency: DEC REG 2

Contact for more spill info: STEVE SANGESLAND

Spiller Phone:

Notifier Phone:

Caller Phone: (718) 776-6080

Contact Person Phone: (718) 776-6080

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Unable or Unwilling RP - DEC Field Response - DEC Corrective Action Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/31/1999		TRAFFIC ACCIDENT	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

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

Map Identification Number 207 **NYC DEPT CORRECTIONS**
 653 RIVER AVE

BRONX, NY

Spill Number: 9704401

Close Date: 07/14/1997
 TT-Id: 520A-0008-650

MAP LOCATION INFORMATION

Site location mapped by:

Approximate distance from property: 654 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10451

Source of Spill: COMMERCIAL VEHICLE

Notifier Type: Responsible Party

Caller Name: JANET MATOS

DEC Investigator: LUCE

Spiller: CASTLE OIL CO

Notifier Name: DRIVER

Caller Agency: CASTLE OIL COMPANY

Contact for more spill info: FRANK

Spiller Phone:

Notifier Phone:

Caller Phone: (718) 579-3413

Contact Person Phone: (718) 579-4359

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/14/1997		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

driver was told by engineer to hook up to the wrong tank

spill to concrete spill contained cleanup crew enroute

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

Map Identification Number 208 **BRONX DETENTION CENTER**
 653 RIVER AVE

BRONX, NY

Spill Number: 0103521

Close Date: 06/01/2006
 TT-Id: 520A-0007-382

MAP LOCATION INFORMATION

Site location mapped by:

Approximate distance from property: 654 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10451

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Local Agency

Caller Name: EDDIE GRUBER

DEC Investigator: MJHAGGER

Spiller: OFFICER MCNAMARA – BRONX DETENTION CENTER

Notifier Name: OFFICER MCNAMARA

Caller Agency: DEP

Contact for more spill info: OFFICER MCNAMARA

Spiller Phone: (718) 579-4342

Notifier Phone: (718) 579-4342

Caller Phone: (718) 595-6700

Contact Person Phone: (718) 579-4342

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/01/2001		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	3000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

spoil breather tube to the outside.poss 1200 gal got into sewers that lead to hudson river...per fdny haz-mat 1

DEC Investigator Remarks:

04/19/06 – Rec'd a letter from the NYC Dept. of Design and Construction indicating that the building is owned by the NYC Department of Correction, 7th Floor, 60 Hudson Street, NY, NY 10013-4393, Attn: Assistant Commissioner Joseph Ruggiero.

11/21/05 – Called NYC DOC and spoke to Marcia O'Connor ((718-546-3091). She will check their records for a spill cleanup report or a billing which shows what cleanup was done.

Prior to Sept, 2004 data translation this spill Lead_DEC Field was M TIBBE

6/1/2006 – Previously spoke to Andrew Bowie (718-546-2805) from NYC Correction. He mailed the Tank Closure report with soil and

groundwater samples. Few small exceedances to recommended soil and groundwater objectives. Contaminated soil properly disposed of. Spill closed

Map Identification Number 209 **149TH ST & GRAND CONCOURS**
 149TH ST & GRAND CONCOURS

BRONX, NY

Spill Number: 9308715

Close Date: 10/20/1993
 TT-Id: 520A-0009-167

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 764 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: E 149TH ST / GRAND CONCOURSE

Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name: JOSEPH STREANY

DEC Investigator: MCTIBBE

Spiller: SAME

Notifier Name:

Caller Agency: METRO NORTH

Contact for more spill info:

Spiller Phone:

Notifier Phone:

Caller Phone: (212) 340-2096

Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/18/1993	10/20/1993	VANDALISM	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
PCB OIL	PETROLEUM	150.00	GALLONS	0.00	GALLONS	SOIL
TRANSFORMER OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

VANDALS BROKE DRAIN VALVE. CLEAN UP CREW ON SCENE. NO OTHER AGENCIES NOTIFIED CLEANED BY SPILLER.

DEC Investigator Remarks:

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

Map Identification Number 210 **730 GRAND CONCOURSE**
 730 GRAND CONCOURSE

BRONX, NY

Spill Number: 9414927

Close Date: 02/24/1995
 TT-Id: 520A-0010-600

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 1249 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Responsible Party
 Caller Name: DAVID POSNER
 DEC Investigator: ADZHITOM

Spiller: COUNTY OIL
 Notifier Name:
 Caller Agency: COUNTY OIL COMP.
 Contact for more spill info:

Spiller Phone: (718) 626-7000
 Notifier Phone:
 Caller Phone: (718) 626-7000
 Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/13/1995	02/24/1995	TANK OVERFILL	UNKNOWN		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

DRIVER WAS FILLING THE TAK FOR AN APARTMENT COMPLEX AND OVERFILLED THE TANK- ABSORBENTS WERE PUT DOWN- UNK IF PICKED UP

DEC Investigator Remarks:

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

Map Identification Number 211 **VAULT # 612**
 EAST 146 ST AND PARK AVE

BRONX, NY

Spill Number: 1103540

Close Date: 01/31/2012
 TT-Id: 520A-0263-127

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1485 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: E 146TH ST / PARK AVE
 Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON EDISON	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RMPIPER	Contact for more spill info:	ERT	Contact Person Phone:	(212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/29/2011		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	300.00	GALLONS	0.00	GALLONS	SOIL, SEWER

Caller Remarks:

clean up crew being contacted at this time

DEC Investigator Remarks:

Due to vandalism, 300 gal of dielectric fluid from 3 transformers was lost to subsurface. Vault had drain on it. unsure where it leads. Building is scheduled to be raised. As well as vault.

Final Emis submitted. No further action warranted.

Map Identification Number 212 **SPILL NUMBER 9809111**
 745 EXTERIOR ST

BRONX, NY

Spill Number: 9809111 **Close Date: 02/13/2003**
 TT-Id: 520A-0362-499

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (5)
 Approximate distance from property: 1702 feet to the NNW

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: 10451

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	
Notifier Type:	Other	Notifier Name:	
Caller Name:	LESTER WORRELL	Caller Agency:	BRONX RECYCLING
DEC Investigator:	MMMULQUE	Contact for more spill info:	LESTER WORRELL

Spiller Phone:	
Notifier Phone:	
Caller Phone:	(718) 401-8594
Contact Person Phone:	(718) 401-8594

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
 Class: Unable or Unwilling RP – DEC Field Response – DEC Corrective Action Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/21/1998		DELIBERATE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN HAZARDOUS MATERIAL	HAZARDOUS MATERIAL	100.00	GALLONS	0.00	GALLONS	SURFACE WATER

Caller Remarks:

CALLER STATES THE RECYCLING COMPANY DOESN'T EVEN HAVE PERMITS TO WORK – AND THEY ARE RC'ING MATERIALS – THEY ARE DUMPING A LOT OF THE ITEMS IN THE EAST RIVER – THIS MORNING THEY DUMPED AT LEAST 4 20+ GALLONS OF UNK MATERIAL IN THE RIVER

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead DEC Field was MULQUEEN Faxed To Hazmatcopy To Div. Of Water, Eco'S02/13/2003–Closed Due To The Nature / Extent Of The Spill Report.

Map Identification Number 213



MAN HOLE #640

RIDER AVE / E 143RD ST

BRONX, NY

Spill Number: 0302730

Close Date: 07/09/2003

TT-Id: 520A-0014-243

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 1966 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name: SEAN MCKEEVER

DEC Investigator: SKARAKHA

Spiller: SCHLAGEL – CON EDISON

Notifier Name: GERRY MCCARTHY

Caller Agency: CON EDISON

Contact for more spill info: SEAN MCKEEVER

Spiller Phone: (212) 580-6763

Notifier Phone:

Caller Phone: (212) 580-6763

Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
06/13/2003		EQUIPMENT FAILURE	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
TRANSFORMER OIL		PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

spill due to a problem with a transformer – clean up is pending the deenergizing of the area – coned # 148732 – spill is contained

DEC Investigator Remarks:

E2MIS 148732

13-June-2003 @ 17:17 hrs. Underground Environmental Mechanic 'A' Orlando Negron, 18400 reports finding 200 gal. transformer oil on 200 gals. of water. No sewers, waterways or private property affected, No smoke or fire is or was involved. No injuries at this location. The weather is not a factor. Environmental tag #32977 installed. Lab. sample taken. Clean up pending de-energizing and isolating the TM.

13-June-2003 20:32 ERT D.Pontecorvo 85413 reports that while on location with the DEP W. Wong and Undergrnd Superv T.Guion 11930 remeasured the oil in the hole and determined it to be 8 gallons. The transformer has a hole in it and will be dropped from Fdr 2X24 on a Category II on the midnight shift due to the Yankee game. The location will be manned until cleanup is initiated due to the DEP requesting it. D.Rohrer 12788

12-June-2003 20:52 As per notification matrix-Shift Manager Curley 24670 stated that GM Al Homyk 71268 be notified and was due to the DEP visit and Sect Manager J.McCabe 00305 was as well.

Aroclor 1242 < 1.0 ppm EPA 608/8082 Aroclor 1254 < 1.0 ppm EPA 608/8082 Aroclor 1248 < 1.0 ppm EPA 608/8082 Aroclor 1260 22.2 ppm EPA 608/8082

14-June-2003 05:40 Fdr 2X24 was unable to be deenergized due to a location with a no access problem and they will attempt to gain access again this morning-6/14. DEP was updated on status by ERT.

16-Jun-2003- 08:30 hrs CFS tanker dispatched to drain unit TM-640.

16-Jun-2003 14:00 hrs CFS tanker drained the unit and remaining liquid from structure. The tanker took ~190 gallons of oil from the unit and 500 gallons of liquid from the structure. Partial clean up completed. Transformer to be replaced on Friday 6/20/03 L Fischer 55784

19-June-2003 08:20 As per B.Markert-will need tanker for Monday-6/23/03-unable to perform cleanup on Friday.

23-JUN-2003 16:18 Environmental Flush Mech A O. Negron 18400 reports cleanup complete. Mr. Negron and Mech B M. Derasmo 86558 double washed and rinsed the structure. The defective transformer was removed and a CFS tanker removed 450 gallons of liquid waste to be transported to Astoria WWTP. 2000 pounds of solid waste removed to be transported to Hellgate Flush Pit. Cleanup complete.

Map Identification Number 214 **318 GRAND CONCOURSE/BX**
 318 GRAND CONCOURSE

NEW YORK CITY, NY

Spill Number: 8905553

Close Date: 09/06/1989
 TT-Id: 520A-0007-953

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 2190 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY
 Notifier Type: Fire Department
 Caller Name: DIST 309
 DEC Investigator: SIGONA

Spiller: I P T TRUCKING
 Notifier Name:
 Caller Agency: NYCPD
 Contact for more spill info:

Spiller Phone: (718) 327-8855
 Notifier Phone:
 Caller Phone: (212) 665-2200
 Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
09/06/1989	09/06/1989	TANK OVERFILL	UNKNOWN		NO		
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected	
GASOLINE	PETROLEUM	1000	GALLONS	0	GALLONS	SEWER	

Caller Remarks:

SPILL IN SUBWAY SYSTEM, NYCFD HAZMAT ON SCENE,

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

09/06/89: NYCFD HAZMAT, NYCPD ON SCENE, TYREE BROS CLEANED UP SPILL WITH A VAC TRUCK, NYSDEC (SIGONA) RESPONDED & INSPECTED CLEAN UP.

Map Identification Number 215**GETTY S/S #58409 – GETTY PROPERTIES**

119 W. 145TH ST

MANHATTAN, NY

Spill Number: 9713385**Close Date: 07/28/2017**

TT-Id: 520A-0098-811

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2372 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Notifier Type: Responsible Party

Caller Name: BRIAN DEVOE

DEC Investigator: RJWHITCH

Spiller: GETTY GASOLINE 58409

Notifier Name:

Caller Agency: TYREE BROS.

Contact for more spill info: CALLER

Spiller Phone:

Notifier Phone:

Caller Phone: (516) 249-3150

Contact Person Phone: (516) 249-3150

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/03/1998	06/03/2003	EQUIPMENT FAILURE	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL**Caller Remarks:**

TANK UNGRADE, FOUND CONTAMINATION.

ORIGINAL SPILL ASSIGNED TO O'DOWD.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was VOUGHT 3/14/03 REASSIGNED FROM ROMMEL TO VOUGHT.

6/27/2003–Vought–File review by Vought:

Tank Upgrade Report–Dec 1998–Tyree Brothers Environmental Services (Paul Hatcher 631-249-3150)– Adjoining six-story building to the west, adjoining two story buildings to the east and north. Merit service station across W145th Street. Four (4000-gallon) gasoline USTs upgraded. Soil excavated to approximate depth of 3' below grade. Six soil endpoint soil samples taken (analyticals provided). Soil analyticals show concentrations up to 47000ppb toluene (S5), 1603000ppb xylene, 88800 ppb naphthalene and 19300ppb MTBE. 84.24 tons of soil excavated and removed (disposal manifest provided).

Subsurface Investigation Report–Dec 2000–Tyree–Eleven soil borings performed using Geoprobe. Perched groundwater was encountered at approximate depths of 10–15bls. Soil analyticals show concentrations up to 8060ppb benzene (SB7), 288000ppb toluene, 16200ppb MTBE (SB8), 70300ppb naphthalene. Groundwater analyticals show up to 6470ppb benzene, 29600ppb toluene, and 172000ppb MTBE.

Quarterly Monitoring Reports–March 2001 thru Sept 2001. Four monitoring wells on–site. Remedial activities are EVR/Remediation Assessment. Two additional wells installed in 7/1. Groundwater concentrations up to 3820ppb benzene (W1), 1770ppb toluene(W1), 26940ppb xylene (W5) and 445000ppb MTBE (W4).

Pilot Test Report and SVE and DPE–Nov 2002–Tyree–See RAP comments (June 2003) for pilot test results. Tyree proposes DPE due to higher radius of influence than SVE.

3/29/2003–Vought–Received email from Paul Hatcher that 2 of product was found in W5. Product was bailed. Monitoring and bailing began weekly.

Quarterly Monitoring Reports–Oct 2002 thru Dec 2001. Six monitoring wells on–site. Remedial activities are EVR/Remediation Assessment. Free product (.02') in W2. Groundwater concentrations up to 2100ppb benzene (W1), 6180ppb xylene (W5) and 348000ppb MTBE (W4).

Letter to NYSDEC–Feb 18, 2003–Letter sent to NYSDEC by Tyree requesting Stipulation Agreement so that Tyree could proceed with proposed system design and installation. In letter Tyree states that they previously submitted a Soil Vapor Extraction and Dual Phase Extraction Pilot Test in Nov 2002.

4/17/2003–Vought sent Stipulation, CAP, Guidance Document and cover letter to Kevin Shea (Getty Properties).

6/3/2003–Vought–Received signed stipulation agreement from Getty.

Quarterly Monitoring Reports–Jan 2003 thru March 2003–Tyree–Six monitoring wells on–site. Groundwater concentrations up to 3550ppb benzene(W1), 2330ppb toluene(W1), 12700ppb xylene(W4) and 59800ppb MTBE. No free product in wells. Four dual phase extraction wells (DPE) wells were installed for future remediation system. Borings logs and soil analyticals provided. Soil concentrations up to 2180ppb benzene(E4), 3740ppb toluene(E4) and 4140ppb MTBE(E4).

Proposed Remedial Action Plan–June 2003–Tyree–Depth to perched groundwater is ten to twelve feet. Groundwater flows to the east. During installation of wells W5 and W6 two ghost tanks found and could not be removed due to their location underlying operational pump island (both tanks were filled with water with no measurable product). Review of historical maps by Tyree suggested that there are possibly eight additional tanks on–site. Free product found in wells W4 and W5. A radius of influence of 16 was estimated by pilot tests, therefore conventional SVE would not accomplish treatment goals. A following pilot test of DPE indicated groundwater pumping in the DPE created a zone of influence exceeding 25'. Soil heterogeneities cause vapor flow rates to be less than 40cfm. Tyree proposes installation of DPE system of five extraction wells with liquid ring vacuum pumps. Estimated fluid extraction rate is 10gpm. Extraction wells installed in Apr with radius of influence of 20'. Fluids will be processed through a oil/water separator, air stripper and liquid phase carbon unit. Treated groundwater will be discharged into storm sewer. Vapors will be scrubbed using activated carbon adsorption. Monthly air samples will be collected and analyzed for NIOSH 1501. Discharge of wastewater will be monitored weekly for 30 days then monthly thereafter. Tyree requests written approval of RAP.

6/27/2003–Vought–NYSDEC requires 1)off site delineation 2)surrounding area site plan, sensitive receptor monitoring schedule and data 3)Additional copies of Site status report and Remediation Report of Aug 2002 (Vought–never received these documents) 4)Investigation of eight additional tanks referred to in RAP. These requests must be satisfied before RAP approval. Vought sent

email to Tyree (Hatcher) on 7/2/03 with above requirements.

Quarterly Monitoring Reports (Tyree) July 2003 thru Dec 2003. Five monitoring wells onsite, one monitoring well/dual phase extraction well and four DPE wells for future remediation system. DPE wells were installed 4/10/03–4/11/03. Groundwater flow to the northeast. .15' of LNAPL in MW15. Trenching to connect all DPE wells completed in 7/03. Awaiting purchase of DPE system and permits for system. Groundwater concentrations up to 1020ppb benzene(W1), 865ppb benzene(W2), 1420ppb benzene(W3), 1560ppb benzene(W4), free product(W5), and 14ppb MTBE(W6). Monthly monitoring and bailing to recover free product.

2/19/04–Vought–Sent letter as per CAP rejecting RAP until the following requirements are met: 1)delineation to the west of W3, east of W–1, northwest of W2, downgradient from W4 2)inclusion of W5 in DPE system due to free product 3)surrounding area site plan. Vought sent letter with above requirements on 2/19/04.

5/1305–Vought–New file review by Vought:

Quarterly Monitoring Reports (Tyree Org)–July 2004 thru Dec 2004. Wells onsite include: five monitoring wells, one monitoring well/dual phase extraction well, and four DPE wells for future remediation system. Groundwater flow to the east–northeast at depths of 10–12' below grade. Groundwater analyticals show: 2600ppb benzene(W1), 1370ppb toluene(W1), 1200ppb ethylbenzene(W1), 5640ppb xylene(W1), 3690ppb MTBE(W1), 1490ppb benzene(W3), 699ppb toluene(W3), 242ppb ethylbenzene(W3), 652ppb xylene(W3), 3750ppb MTBE(W3), no sample(W4), no sample(W5), 11ppb MTBE(W6).

5/13/05–Vought–DEC no longer requires delineation upgradient of source but however still requires: 1)addition of MW5 to DPE or affirmation of inclusion in ROI of DPHVE system. Vought sent email with requirements. Vought received email from J Rennie that MW 5 was tied into DPHVE.

08/31/2005 – Feng – Project transferred from Vought to Feng.

11/15/2005 – Feng – Dual Phase Extraction System is installed and ready to run. However, it is still awaiting electric approval from NYC Electrical Control Board/Cod Edison.

12/19/2005 – Feng – Quarterly Monitoring Report, 7/2005 – 9/2005. The site is currently an active gasoline station & convenience store with car wash. Groundwater flows to east at the depth of 10.81' to 11.99' bg. There are 5 monitoring well, 1 monitoring/extraction well and 5 extraction wells. W–1, rapid increased and 49,390 ppb BTEX, rapid decreased and 804 ppb MTBE. W–2, rapid increased and 12,163 ppb BTEX, decreased and 8,500 ppb MTBE. W–3, decreased and 7,187 ppb BTEX, decreased and 3,540 ppb MTBE. W–4, increased and 3,638 ppb BTEX, decreased and 2,180 ppb MTBE. W–5, increased and 6,135 ppb BTEX, increased and 120 ppb MTBE. W–6, increased and 32 ppb MTBE, 10 ppb MTBE. Absorbent sock in W–5. Still waiting for electrical approval. (RJF)

1/17/2006 – Feng – Quarterly Monitoring Report, 10/2006 – 12/2005. The site is an active gasoline station & convenience store with car wash. Groundwater flows to east at the depth of 10.14' to 11.43' bg. 5 monitoring wells, 1 monitoring/extraction well and 5 extraction wells onsite. W–1, 48,920 ppb BTEX, 1,470 ppb MTBE. W–3, decreased and 4,467 ppb BTEX, 3,150 ppb MTBE. W–4, increased and 6,912 ppb BTEX, 2,410 ppb MTBE. W–6, low and 1 ppb BTEX, 13 ppb MTBE. Absorbent socks in W–5. Still waiting for electrical approval for the system installed onsite. (RJF)

1/17/2006 – Feng – Emailed to Joe Rennie asked about the status of the site, and the reason why couldn't get the electrical approval. (RJF)

2/13/2006 – Feng – Emailed to Joe Rennie requested the status of the pending electrical approval from ConEd. (RJF)

2/13/2006 – Feng – Reply from Joe Rennie Please be advised that Tyree has tried making contact numerous times via phone and faxes with the electrical sub-contractor requesting the status in this matter. When Tyree was able to make contact with the sub-contractor, it was told to us that they did not hear back from the ECB and that they will make a follow-up phone call to check on the status.

At this point, the only thing that Tyree can do is to keep contacting the sub-contractor. If NYSDEC has any suggestions, we are surely open to them. (RJF)

2/14/2006 – Feng – Emailed to ConEd requesting status of the project and reason why electric service hasn't granted yet. and asked for the contact information of the project manager. (RJF)

2/14/2006 – Feng – Joe Rennie emailed the contact information of ConEdison. (RJF)

2/15/2006 – Feng – Letter requesting assistance in gaining electrical approval from ConEdison to Kevin Gallagher via fax: 212-673-1729 and certified mail. (RJF)

2/15/2006 – Feng – Called from Antonio Alaimo (ConEdison) and follow up by email. He called Mr. Godsil (Tyree's sub-contractor) on 1/26/2006 and Godsil is still waiting for the certificate from the city before ConEd could install a new meter. He said once the certificate is on hand, ConEdison will take care of this case right away. (RJF)

2/15/2006 – Feng – Called Harry Godsil (516-827-5324). He said that they re-filed for certificate and done the re-wiring. He will follow up with the Electric Board and ConEdison. It will be all set in a couple weeks. (RJF)

3/8/2006 – Feng – Called Harry Godsil and left message if he got the certificate from the city yet. (RJF)

3/17/2006 – Feng – Faxed Harry Godsil a message and inquired the status of the power supply for the remediation system for this site. Requested the contact information if he haven't received the certificate from the city yet, such as contact name, address, phone# and fax#. (RJF)

3/29/2006 – Feng – 3/28/2006 Letter faxed to NYC Department of Buildings – Electrical Division and requested assistance in obtaining the electrical certificate. Called from Inspector Diamond (212)566-3812 saying that they never received any application for that. Emailed Joe Rennie and asked him to look into this problem. (RJF)

4/4/2006 – Feng – Email from DOB Bonnie Gerard. She stated that their inspector visited the site and found some violation. And DOB will expedite Getty's sub-contractor's application. Feng Forward the violations list to Joe Rennie and strong recommend him to hire another electrician to remove the violation and then to run the system. (RJF)

4/6/2006 – Feng – Email Joe Rennie requested about the status of electrical work for the site.

4/7/2006 – Feng – Email from Joe Rennie I have another electrical contractor working on it. The contractor was in our office on Wednesday and Paul Hatcher and myself spoke to him. He assured us that he will follow up with the NYC DOB. As far as Con Ed

goes the paperwork was filed and a case number has been assigned, it's the NYC DOB that doesn't have the necessary paperwork to proceed. (RJF)

5/4/2006 – Feng – Quarterly Monitoring Report, 1/2006 – 3/2006. Active gasoline station and convenience store with car wash. Groundwater at 10.59' to 11.56' bg and flows to east. Sampling and gauging as of 3/21/2006. There are 5 monitoring, 1 monitoring/extraction, 5 extraction wells. W-1, 0.04' FP. W-3, increased and 13,227 ppb BTEX (1,870 ppb B, 6,010 ppb T, 647 ppb E, 4,700 ppb X), 3,180 ppb MTBE. W-4, decreased and 4,651 ppb BTEX (1,750 ppb B, 31 ppb T, 1,050 ppb E, 1,820 ppb X), 1,230 ppb MTBE. W-6, 5 ppb BTEX, 16 ppb MTBE. Noted that absorbent sock in monitoring well (W-1). Electrical contractor waiting on Co Edison and NYC Electrical Control Board for installation approval and final inspection. (RJF)

6/27/2006 – Feng – Dual Phase Extraction System startup. DEC staff Sun, Feng, Andersen, and Krasweski were onsite to witness this event. (RJF)

11/9/2006 – Feng – Quarterly Monitoring Report, 7/2006 – 9/2006, 10/9/2006, by Tyree. Active gasoline station and convenience store with car wash. Sampled and gauged on 9/28/2006. 5 monitoring wells, 1 monitoring/extraction well, and 5 extraction wells. DTW 10.35' to 11.29' bg. Flows to easterly. LNAPL in MW-1, 0.30 feet. BTEX range ND to 17,637 ppb. MTBE range 1 ppb to 2,740 ppb. (RJF)

2/7/2007 – Feng – Quarterly Monitoring Report, 10/2006 – 12/2006, 1/2/2007, by Tyree. Groundwater sampled and gauged 12/27/2006. 5 monitoring, 1 monitoring/extraction and 5 extraction wells. DTW 9.92' to 11.98' bg. Flows east. LNAPL in W-1 (0.12'). W-3, 4,249 ppb BTEX, 700 ppb MTBE. W-4, Not accessible. W-6, BTEX ND, 4 ppb MTBE. (RJF)

5/17/2007 – Feng – New Spill 07-01951 called in. The caller stated that there is product in the monitoring well. Contacted Tyree to see what happened. (RJF)

5/17/2007 – Feng – Rob. S (Tyree) called back and he will send a field technician to the site and gauge those monitoring well. Product will be sampled if any were found in the wells. Will call back tomorrow with the gauging results. (RJF)

5/18/2007 – Feng – Email from Joe Gavin (C2G Environmental Consultants) to DEC Jacob Krimgold. During the Third Party Audit Inspection conducted 5/17/2007, some PBS violation were found and the station has been closed. (RJF)

5/23/2007 – Feng – Email updates from Rob. S (Tyree). A field tech was there yesterday and this morning. One monitoring well with 0.01' of product, the others including the dual phase ones has no product. (RJF)

6/26/2007 – Feng – Quarterly Monitoring Report, 1/2007 – 3/2007, 4/2007. Groundwater sampled 4/2/2007. 5 monitoring wells, 1 monitoring/extraction well, 5 extraction wells. DTW 10.40' to 11.69' bg. Flows to east. LNAPL in MW-1 (0.05'). W-3, 1,618 ppb BTEX, 949 ppb MTBE. W-4, not accessible. W-6, ND. Dual Phase Extraction system running. As of 4/18/2007, Influent 11.6 ppb BTEX and 13.90 ppb MTBE, effluent MDL. (RJF)

9/28/2007 – Feng – Quarterly Monitoring Report, 5/2007 – 7/2007, 8/2007. Groundwater sampled 7/9/2007. 5 monitoring wells, 1 monitoring/extraction well, 5 extraction wells. DTW 10.32' to 11.25' bg. Flows to east. No LNAPL. W-1, 40,412 ppb BTEX, 161 ppb MTBE. W-3, 6,555 ppb BTEX, 2,010 ppb MTBE. W-4, NA. W-6, BTEX ND, 4 ppb MTBE. (RJF)

3/21/2008 – Feng – Quarterly Monitoring Report, 8/2007 – 11/2007, 12/2007. Active gasoline station and convenience store with

car wash. Groundwater was gauged and sampled 11/8/2007. 5 monitoring wells, 1 monitoring/extraction well and 5 extraction wells. DTW 10.78' to 11.97' bg. Flows to east. LNAPL in MW-1 (0.33'). BTEX range ND to 14,373 ppb (MW-3). MTBE range 3.3 ppb to 1,910 ppb (MW-3). Dual Phase Extraction system has been off line since November due to a pump failure and will be restarted in 12/2007. (RJF)

3/24/2008 – Feng – Email from R. Szczespanski (Tyree). The system is back to service in mid February 2008. (RJF)

7/11/2008 – 1Q2008, 12/2007 – 4/2008, 5/2008. Active gasoline station and convenience store with car wash. Groundwater was gauged and sampled 4/22/2008. 4 monitoring wells, 1 monitoring/extraction, 5 extraction wells. DTW 10.51' to 11.60' bg. Flows to east. LNAPL in W-1 (0.04'). BTEX range ND to 13,950 ppb (W-3). MTBE range ND to 1,760 ppb (W-3). The dual phase extraction system is on. Total BTEX influent ND to 0.93 ppb, MTBE ND to 7.8 ppb. Effluent ND.

Email to Tyree for check/evaluate the remedial system and to optimize the recovery. (RJF)

9/4/2008 – Getty Properties portfolio meeting with Delta and Tyree. Some vapor points might be installed in the area where the extraction wells located. Historical data for W-5. Correct the W-2 which is connected to the system. Need well within the property line near the extraction well which is downgradient of W-1. Check why extraction wells were put this way. work plan by 12/2008. (RJF)

1/6/2009 – Getty Properties portfolio meeting with Delta and Tyree. In 2005, there were 5 vapor points along the apartment building and came out clean. DEC received the delineation work plan, and under review. (RJF)

1/23/2009 – Reviewed Investigation Work Plan, dated 12/29/2008, by Tyree. One well is proposed near the vacuum area. DEC provided comments and requires a well to be installed at the extraction wells area as we agreed upon the meeting of 9/2008. (RJF)

1/28/2009 – Received and reviewed the Investigation Work Plan, dated January 27, 2009, by Tyree, pdf copy, sent via email. Tyree proposed to have 2 wells installed. email from Tyree on 1/27/2008, they will measure the water depth and will have proper amount of screen installed, at least 5 feet above water table. Work plan is approved. Field work to be scheduled for 1Q2009. Investigation report due 3/2009. (RJF)

3/17/2009 – Quarterly Monitoring Report, 5/2008 – 7/2008, 8/2008, by Tyree. Active gasoline station and convenience store with car wash. Groundwater was gauged and sampled 7/17/2008. 4 monitoring wells. NO LNAPL. DTW 10.42' to 11.90' bg. Flows to east. BTEX range 1.7 ppb to 41,264 ppb (W-1). MTBE range ND to 1,890 ppb (W-3). Dual phase extraction system is on line. BTEX influent ND. MTBE influent range 1.1 to 3.2 ppb. BTEX and MTBE effluent ND.

Quarterly Monitoring Report, 8/2008 – 10/2008, 11/2008, by Tyree. Active gasoline station. Groundwater was gauged and sampled 10/29/2008. 4 monitoring wells. NO LNAPL. DTW 9.98' to 11.89' bg. Flows to east. BTEX range ND ppb to 24,172 ppb (W-1). MTBE range ND to 1,220 ppb (W-3). Dual phase extraction system on line. No BTEX influent or effluent. MTBE influent 2 to 3 ppm, effluent ND. ((RJF)

6/9/2009 – Reviewed Subsurface Investigation Report, dated 5/13/2009, pdf via email on 5/13/2009, by Tyree. On March 31, 2009, Tyree oversaw Associated Environmental Services during the installation of 2 monitoring wells. MW-7 and MW-8 were installed to depth of 25 feet bg. PID reading, MW-7 at 10–15 feet, 35 ppm; MW-8 at 10–15 feet 105 ppm. 4 soil samples were collected, MW-7 at 5–10 feet, MW-7 at 10–15 feet, MW-8 at 5–10 feet, MW-8 at 10–15 feet, no exceedances. 2 groundwater samples were collected.

MW-7, 36 ug/L benzene, 47 ug/L MTBE. MW-8, 46 ug/L benzene, 340 ug/L MTBE. (RJF)

1/11/2012 – 4Q2011, 1/11/2012, by Tyree. LNAPL in MW-1, 0.01'. High BTEX in one well. MW-3, 9,459 ug/L BTEX, 197 ug/L MTBE. STARS list sampling for E-1, MW-2, E-2, MW-5/E-5. E-1, 58.3 ug/L benzene, 34.7 ug/L MTBE. MW-2, 27.4 ug/L MTBE. E-2, 18.1 ug/L MTBE. 12/13/2011, Dual phase extraction system was on. Liquid phase Influent/effluent are MDL. No vapor phase samples were collected.

07/28/2017 – In January 2017 during the removal of an underground storage tank (UST) system, MES Getty's contractor, excavated soil from the former tank field, former product piping runs and dispensers to remove petroleum impacted soil. During removal activities thirteen previously unknown ghost tanks in the southern area of the site were identified, and subsequently removed in May 2017. From January 9 to July 5, 2017, 43 excavation endpoint soil samples were collected from the sidewalls and bottom of the excavation extents.

A review of the laboratory analytical data shows seven excavation soil sample locations at depth exhibiting VOC concentrations in excess of NYSDEC CP-51 soil cleanup guidance, and eight excavation soil sample locations exhibiting SVOC concentrations in excess of applicable NYSDEC CP-51 Soil Cleanup Guidance. All of the excavation soil samples were reported below NYSDEC Brownfield Cleanup Program Commercial Soil Cleanup Objectives, with the exception of SW-8A (7'–7.5'), SW-8B (7'–7.5') and SW-8B (14').

Approximately 2,268.84 tons of excavated soil was transported off-site for disposal at Soil Safe's facility located in Logan, New Jersey.

Based on the above presented information in the July 26th UST Closure and Remedial Excavation Summary Report the spill has been closed.

Map Identification Number 216

CLARE HALE DEPOT
721 LENOX AVE

MANHATTAN, NY

Spill Number: 9610294

Close Date: 11/22/1996

TT-Id: 520A-0100-742

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10037

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Responsible Party

Caller Name: RAMONE PAEZ

DEC Investigator: ADZHITOM

Spiller: RAMONE PAEZ – CLARE HALE DEPOT

Notifier Name: MR DON BORNKMP

Caller Agency: NYC TRANSIT AUTHORITY

Contact for more spill info: RAMONE PAEZ

Spiller Phone: (718) 243-4581

Notifier Phone:

Caller Phone: (718) 243-4581

Contact Person Phone: (718) 243-4581

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
11/18/1996		EQUIPMENT FAILURE	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL		PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

GAUGE TO BOILER 1 BROKE, SPILL IS CONTAINED IN BOILER ROOM. CLEAN UP CREW IS ENROUTE.

DEC Investigator Remarks:

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

Map Identification Number 217  **-NYCT / 146 ST**
721 LENOX AVE

MANHATTAN, NY

Spill Number: 9213322**Close Date: 02/10/2003**
TT-Id: 520A-0100-732

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 10039

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: HOWIE MATZA
DEC Investigator: TOMASELLO

Spiller: UNK FUEL VENDOR
Notifier Name:
Caller Agency: NYC TRANSIT AUTHORITY
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 330-4581
Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
03/02/1993		TANK OVERFILL	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL		PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL INTO STREET AND LAND AROUND DEPOT UNK WHY SPILL OCCURED,CLEANUP ONGOING-MAT'L WILL BE DRUMMED AS HAZ-WASTE

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

Map Identification Number 218

146TH ST DEPOT
721 LENOX AVE



MANHATTAN, NY

Spill Number: 9110782

Close Date: 02/12/2003

TT-Id: 520A-0100-729

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 10039

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Notifier Type: Responsible Party

Caller Name: C BURRAS

DEC Investigator: SULLIVAN

Spiller: NYCTA

Notifier Name:

Caller Agency: NYCTA

Contact for more spill info:

Spiller Phone:

Notifier Phone:

Caller Phone: (718) 330-4891

Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/16/1992		TANK OVERFILL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
The following material(s) was dropped or revised by the NYS DEC. Call Toxics Targeting for more information #2 FUEL OIL	UNKNOWN	150.00	GALLONS	0.00	GALLONS	

Caller Remarks:

SORBENT APPLIED. WILL PICK UP & DISPOSE.

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

Map Identification Number 219**MOTHER CLARA HALE DEPOT**

721 LENOX AVE

NEW YORK CITY, NY

Spill Number: 0703983**Close Date: 06/17/2008**

TT-Id: 520A-0100-753

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Responsible Party

Caller Name:

DEC Investigator: mctibbe

Spiller: GEORGE CUNNINGHAM – MOTHER CLARA HALE DEPOT

Notifier Name:

Caller Agency:

Contact for more spill info: GEORGE CUNNINGHAM

Spiller Phone: (

Notifier Phone:

Caller Phone:

Contact Person Phone: (

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/09/2007		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	PETROLEUM	150.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

BROKEN HYDRALIC COUPLING– LIFT #9; HAS BEEN CLEANED;

DEC Investigator Remarks:

They say the spill was cleaned, but this must be confirmed. Need to get contact phone number from Mark Tibbe

7/18/07 – Raphael Ketani. One hundred and fifty gallons of hydraulic oil spilled from a broken line at lift #9 at the bus depot. I tried to call Sherry Bulkley at (646) 252-5774 to find out whether the oil had been cleaned up, but could only leave a message.

I talked to George Cunningham (646) 252-3607 at NYC Transit. He said that the oil was contained and the floor of the shaft is solid concrete. He said they will power wash the elevator shaft and collect the wash fluid. He will get back in touch with me.

7/19/07 – Raphael Ketani. Mr. Cunningham called me back. He said that 800 gals. of total liquids were removed from the shaft. Groundwater had been seeping in. After they pumped out the shaft, more water entered. The lift is not going to be used ever again and has been shut down for good. The walls of the lift will be powerwashed. The entire depot will be demolished in one year due to the other oil leaks/releases and tank problems at the site. It will be a giant cleanup of the grounds of the site. Mr. Cunningham added that he will send me a manifest for the removed liquids and a letter describing the events.

08-02-07: Reassigned to tibbe from Ketani. Spill is within the area of excavation of a larger remediation/construction project. Any residual contamination will be addressed at that time.

08/16/07: The investigation and remediation (if warranted) will be performed during a large remedial and construction project at this depot. The depot is slated to be demolished and rebuilt in 2008. An SSRP/RD is being prepared to address all of the known contamination and to investigate any areas where contamination is suspected, namely the lifts and associated pits. Refer to 98-13017.

06-17-08: Closed and consolidated under 8902374.

Map Identification Number 220 **MOTHER CLARA HILL BUS**
 721 LENOX AVE

NEW YORK, NY

Spill Number: 0513028

Close Date: 06/17/2008
 TT-Id: 520A-0100-749

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

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

Spiller: JAIKISAN - MOTHER CLARA HILL BUS
 Notifier Name: JAIKISAN ACHAIBAR
 Caller Agency: NYC TRANSIT
 Contact for more spill info: JAIKISAN

Spiller Phone: (646) 252-5777
 Notifier Phone: (646) 252-5777
 Caller Phone: (646) 252-5777
 Contact Person Phone: (646) 252-5777

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
02/09/2006		EQUIPMENT FAILURE	NO		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL		PETROLEUM	582.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

ALL IN A CONTAINMENT AREA, AROUND THE HYDRALIC LIFTS

DEC Investigator Remarks:

02/10/06. Feroze. Talked with Mr. Jakisan Achaibar 646-252-5772. All fuel is in secondary cointainment. They will submit DEC all documents regarding cleaning the site.

02/10/06–Hiralkumar Patel. Left message for Jaikisan at 3:20 PM. Spoke with Jaikisan. as per him, whatever spill happened its contained in secondary container. both hydrolic lifts are lock out/tag out. on monday, private contractor will come and suck the mixture of water and oil. Jaikisan will call me once they clean site on monday 13th Feb.

02/14/06–Hiralkumar Patel. Left message for Jaikisan. 02/16/06–Hiralkumar Patel. Left message for Jaikisan.

Spoke with Jay at System Safety. as they suck out oil and water mixture from pits, they did water level test. among the four pits (pit# 4, 5, 8 & 9) they found three pits (pit# 5, 8 & 9) were leaking. and pit # 8 & 9 had accumulated oil (inch or so). Jay told me that they had spill previously and had plume underground and the site is under remediation. now because two pits accumulate some oil, CPM Remediation group is handling site and investigating. URS consultants is the company who is doing remediation work on site. Jay call back with more information and results of remediation group's investigation. as per him, DEC Mark Tibbe is handling all the site under remediation for NYC transit.

Discussed with Mark and Koon in remediation. Mark is working with two different plumes on the same site. as Mark talked with guy at site, the lifts are away from the site where the plume was previously. so it is probably not related to previous plumes.(Refer Spill# 8902374)

Spoke with Jay. they have taken some samples for fingerprint and as they get results, Jay will call back.

02/23/06–Hiralkumar Patel. Left message for Jaikisan. 02/24/06–Hiralkumar Patel. Left message for Jaikisan. Spoke with Jay. they haven't got results yet. once he will get result, he will call back. and depends on results this project will go to remediation department in transit.

03/03/06–Hiralkumar Patel. Received call from Jay from Transit. he got sample results and all three samples came back with confirmation that it is lubricating oil. now remediation department at Transit is handling this case. he will update me on this case as he gets information. Received copy of lab results.

if we need any information, call Jay at system Safety.

04/04/06–Hiralkumar Patel. Spoke with Jay and he still don't know whether this site will be remediated under remediation section or not. he will call back. Received fax from Jay. abstract of letter: – Source of spill/leak identified: over a period of time, product (hydraulic fluid) and sludge accumulated in all four pits (# 4, 5, 8, 9) due to broken line, and poor seal in piston – Source of Spill/leak was stopped: brokken hydraulic fluid line, poor seal were replaced and lift load test was performed as part of MP2 preventive maintenance. – Spill cleaned: AB Oil removed 1029 gals of oily water and 1 cy of sludge and pressure washed all 4 pits. refer to AB Oil Work orders (3 18739, 18738) and manifests (# 18738, 18739) – Samples taken: samples were collected from two of the lift pits and hydraulic fluid reservoir, and analyzed by URS subcontractor laboratory. the finger print analysis identified the product as hydraulic fluid – Disposal of contaminated waste: AB Oil transported and disposed the oily water, and the sludge as non-hazardous industrial waste. – Investigation required/Refer to CPM: lost water in pit # 5 and gained water in pits # 8 & 9 during standing water test. CPM needs to investigate for any potential product plume in the bus lift area.

06/06/06–Hiralkumar Patel. Left message for Jay. Received call from Jay. he hasn't heard from CPM section and doesn't know whether this will be investigated under existing remediation or will be addressed separately.

07/10/06–Hiralkumar Patel. spoke with Jay. they are still working to determine who will handle this case. 08/31/06–Hiralkumar

Patel. left message for Jay.

12/01/06–Hiralkumar Patel. left message for Jay. 12/11/06–Hiralkumar Patel. received message from Racheal from NYC transit. Jay is no longer handling spills. as per Racheal this spill has been transferred to their remedial investigation unit in NYC Transit. Racheal will be call back with more information.

****Once MTA Remediation department takes over this case, ask Randy who will handle this case: me or Remediation section of DEC.****

08/16/07: The investigation and remediation (if warranted) will be performed during a large remedial and construction project at this depot. The depot is slated to be demolished and rebuilt in 2008. An SSRP/RD is being prepared to address all of the known contamination and to investigate any areas where contamination is suspected, namely the lifts and associated pits. Refer to 98–13017.

06–17–08: Closed and consolidated under 8902374.

Map Identification Number 221 **MOTHER CLARA HALE BUS DEP**
 721 LENOX AVE

MANHATTAN, NY

Spill Number: 0008714

Close Date: 08/28/2001
 TT-Id: 520A–0100–734

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2402 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: 721 LENNOX AVE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Responsible Party
 Caller Name: TIM SLAUSON
 DEC Investigator: MCTIBBE

Spiller: NYC TRANSIT
 Notifier Name: MIKE FERARRA
 Caller Agency: NYC TRANSIT
 Contact for more spill info: CALLER

Spiller Phone:
 Notifier Phone:
 Caller Phone: (718) 851–3804
 Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
 Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/26/2000		EQUIPMENT FAILURE	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

OIL/WATER SEPARATOR MALFUNCTIONED – CONTAINED IN VAULT – DID NOT GO ANYWHERE – REPAIR TO BEGIN – REQ'D BY DEC ON SITE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE no product lose. minor sheen in separator contained in vault. cleaned by nyct.

Map Identification Number 222 **YANKEE STADIUM**
 153/157 STREET

BRONX, NY

Spill Number: 0313357

Close Date: 04/15/2004
 TT-Id: 520A-0013-562

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2414 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: E 153RD ST / E 157TH ST
 Revised zip code: 10451

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

Spiller: MIKE BULLOCK – YANKEE STADIUM
 Notifier Name: GREG CELLAMARE
 Caller Agency: CONSULTANT
 Contact for more spill info: MIKE BULLOCK

Spiller Phone: (718) 391-1218
 Notifier Phone: (203) 470-9135
 Caller Phone: (203) 470-9135
 Contact Person Phone: (718) 391-1218

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/05/2004		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	300.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

ACCIDENTAL TRANFER PUMP WAS TURNED ON AND CAUSED SPILL, WILL BE CLEANED UP: HAS SOME SPEED DRI DOWN ***** ASK THAT YOU CALL gREGG

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was DEMEO 3/11/2004 DeMeo says cleanup is done. Waiting for manifests

RND Services did the cleanup and will submit documentation to DEC

4/15/04 TJD Spill summary and disposal manifests submitted. No further action required. Spill closed.

Map Identification Number 223 **775 CONCOURSE VILLAGE E**
 775 CONCOURSE VILLAGE E

NEW YORK CITY, NY

Spill Number: 9011440**Close Date: 01/31/1991**
TT-Id: 520A-0013-549

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2509 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 775 E CONCOURSE VILLAGE

Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Other

Caller Name: JULIE

DEC Investigator: KSTANG

Spiller: 775 CONCOURSE VILLAGE E

Notifier Name:

Caller Agency: MILRO SERVICE

Contact for more spill info:

Spiller Phone: (212) 992-1010

Notifier Phone:

Caller Phone: (516) 486-5050

Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended		
01/30/1991	01/31/1991	TANK OVERFILL	UNKNOWN		NO		
Material Spilled		Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL		PETROLEUM	800.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL CONTAINED IN BURNER ROOM,MILRO ON SCENE,CLEANING SPILL WITH

SAND,(4) TANKS 35K EACH,DEC RECOMMENDED INSTALLATION OF OVERFILL

ALARM,SECONDARY CONTAINMENT & TO STOP TRANSFER OF PRODUCT.

DEC Investigator Remarks:

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

Map Identification Number 224 **775 CONCOURSE VILLAGE E**
 775 CONCOURSE VILLAGE E

NEW YORK CITY, NY

Spill Number: 9011294**Close Date: 01/25/1991**
TT-Id: 520A-0013-548

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2509 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 775 E CONCOURSE VILLAGE

Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: CONCOUSRE VILLAGE	Spiller Phone: (212) 992-1010
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name: MATT MILNE	Caller Agency: MILRO SERVICE	Caller Phone: (516) 486-5155
DEC Investigator: FINGER	Contact for more spill info:	Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/25/1991	01/25/1991	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL CONTAINED IN BOILER ROOM,NO DRAINS,MILRO DOING CLEAN UP.

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

Map Identification Number 225 **775 CONCORD VILLAGE E/BX**
 775 CONCORD VILLAGE EAST

NEW YORK CITY, NY

Spill Number: 9011012

Close Date: 02/10/2003
 TT-Id: 520A-0013-550

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2509 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 775 E CONCOURSE VILLAGE

Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: UNKNOWN	Spiller Phone: (212) 293-0239
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name: GARLON MCCARGO	Caller Agency: COASTAL OIL	Caller Phone: (718) 746-2412
DEC Investigator: TOMASELLO	Contact for more spill info:	Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/16/1991		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SEWER

 Caller Remarks:

FAULTY GAUGE, CRACKED VENT LINE, SPILLAGE INTO STREET & STORM DRAIN,

COASTAL OIL USED 30 BAGS OF SPEEDY DRY & HAS CALLED MILRO SERVICE FOR VAC TRUCK.

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

Map Identification Number 226

MULTI FAM DWG/COMM
 775 CONCOURSE VILLAGE

BRONX, NY

Spill Number: 0612134**Close Date: 09/23/2008**

TT-Id: 520A-0013-556

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2509 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 775 E CONCOURSE VILLAGE

Revised zip code: 10451

Source of Spill: COMMERCIAL/INDUSTRIAL

Spiller: ANTHONY LARA – MULTI FAM DWG/COMM

 Spiller Phone: (718) 624-4842 ext. C
 ext: OFFICE

Notifier Type: Other

Notifier Name:

Notifier Phone:

Caller Name:

Caller Agency:

Caller Phone:

DEC Investigator: SFRAHMAN

Contact for more spill info: ANTHONY LARA

 Contact Person Phone: (718) 624-4842 ext. C
 ext: OFFICE

 Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/03/2007		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	1000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

tank cleaner reports approx 1000 gals spilled and contained with the cellar at above address--tank is 20,000 gals--cleanup is pending till arrival of callet--Anthony is enroute now--Control Combustion is the burner service--owner to be determined

DEC Investigator Remarks:

30,000 gallon tank reptured at the bottom.PTC pumped out the tank.As per PTC(Anthony,6467727180),no drain/sewer was impacted.Spill was contained mostly in the tank room, a portion travelled down to adjacent room which is occupied by numerous types of stuff.PTC will resume cleaning the tank room monday, 02/05/07.

02/09/06 Rahman-- Letter was sent to Concourse Village Inc. 775 Concourse Village East Bronx, NY 10451

*****PBS: 2-342599***** Attn: Jennifer Jones

02/21/07 Control Combustion working to remove the remaining contamination out of the vault.

09/13/07 I had a site meeting this morning at the site with Miller Env.,Pat from Control Combustion and Management rep Mr. Jones.The old tank was taken out of the vault.Following things are decided to complete in next few days: 1-- Eight borings will be installed in the tank vault along the wall to determine the

subsurface contamination. 2-- Floor and wall will be power washed before the new tank installation. 3-- Investigation will be made to identify the other end of the pipes those are connected to the vault at bottom level and find out if oil has migrated through that pipes.(SR).

04/24/08 Site meeting with Miller Environmental(Adam & Nick) and Controlled Combustion held on 04/23/08 with presence of DEC. Contamination below concrete slab is being removed as segments of concrete slab removed at a time and restored. A 6 dia slotted PVC pipe will be installed to collect any seepage of thick oil, if accumulates any.(sr)

09/19/08 Report from MEG dated May 22, 2008 in file.On may 7,2008 6 diameter monitoring well was installed in the excavation.The excavation was backfilled with gravel sand around the well.MEG indicated to observe the well twice per month for a minimum of 3 months.(sr)

09/23/08 Rec'd status report from MEG dated September 22,2008.As per MEG, no product has seeped into the monitoring well location during the last 4 months.Pictures in edocs.NFA required.Spill can be closed.(sr)

Map Identification Number 227 **SCHOOL #X183**
 339 MORRIS AV

BRONX, NY

Spill Number: 0411448

Close Date: 09/27/2006
 TT-Id: 520A-0012-086

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 2534 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Notifier Type: Fire Department

Caller Name: CARBONE, ANTHONY

DEC Investigator: qxabidi

Spiller: JUAN ACOSTA - SCHOOL #X183

Notifier Name: CARBONE, ANTHONY

Caller Agency: FDNY

Contact for more spill info: JUAN ACOSTA

Spiller Phone: (718) 402-6156

Notifier Phone: (718) 476-6288

Caller Phone: (718) 476-6288

Contact Person Phone: (718) 402-6156

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/24/2005		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

heating unit had a leak resulting in a fuel oil spill of 100 gallons of fuel oil in the basement. Board of Education will contact a cleanup company for clean up.

DEC Investigator Remarks:

1/24/05 Tipple responded to site, The students in grades k-8 were relocated to neighboring schools, while the high school students were sent home. Petroleum tank cleaners were retained by the school to conduct the cleanup. The spill was caused by a faulty #6 fuel line that ran from one of the pre-heaters. The maintenance staff acted quickly in stopping the flow from the leaking line, and limiting the quantity of petroleum released into the boiler room. The boiler room floor was painted making the cleanup less labor intensive than it would have been if it weren't painted.

1/25/05 Tipple conducted a followup site inspection before the children arrived at the school. Tipple observed that the cleanup was nearly completed. The floor drains revealed a skim coat of #6 Fuel oil, presumably the oil was released from the pipe walls once the boiler went back on line and the boiler room warmed. PTC returned to the site to finish the cleanup.

08/09/06: This spill is transferred from Mr. Koon Tang to Q.Abidi. Contacted to Mr. Maurice Molloy (custodian) at (718)402-6156 about the information of the spill. He said this spill is already cleaned up long time ago. He will find out the supporting

documents from his supervisor and he will fax it to me. -QA

08/10/06: Called at (718)402-6156 and left message to call me back. -QA

09/27/06: This spill of 100 Gallons of # 6 oil occurred in the basement of School due to leakage of heating unit in the boiler room on January 24, 2005. Department staff contacted the custodian Engineer of the School. The custodian officer provided a closing confirmation letter reporting that the Fuel Division responded and Petrol Tank Cleaners completed the clean up. DEC staff closed this spill. -QA

Map Identification Number 228	PATTERSON HOUSES -NYCHA		Spill Number: 9710056	Close Date: 12/01/1997		
	301 EAST 143RD STREET	BRONX, NY		TT-Id: 520A-0010-950		
MAP LOCATION INFORMATION		ADDRESS CHANGE INFORMATION				
Site location mapped by: PARCEL MAPPING (1)		Revised street: NO CHANGE				
Approximate distance from property: 2594 feet to the SE		Revised zip code: NO CHANGE				
Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	BART PULLEY - NYC HOUSING AUTHORITY			
Notifier Type:	Responsible Party	Notifier Name:	FRANK OCELLO			
Caller Name:	FRANK OCELLO	Caller Agency:	NYC HOUSING			
DEC Investigator:	SACCACIO	Contact for more spill info:	BART PULLEY			
			Spiller Phone: (718) 585-2382			
			Notifier Phone: (212) 306-3233			
			Caller Phone: (212) 306-3229			
			Contact Person Phone: (718) 585-2382			
Category:	Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.					
Class:	Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency					
Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended		
12/01/1997		EQUIPMENT FAILURE	NO	NO		
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	240.00	GALLONS	0.00	GALLONS	SEWER
Caller Remarks:						
GAUGE BROKE CAUSING SPILL WITH APPROX 100 GALS GOING INTO SEWER. CLEAN UP CREW (WINSTON CONTRACTING) ON WAY TO CLEAN UP SPILL.						
DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.						

Map Identification Number 229**MAJOR DEEGAN & 138TH ST/B**

MAJOR DEEGAN/138TH ST.

BRONX, NY

Spill Number: 8706724**Close Date: 11/07/1987**

TT-Id: 520A-0014-244

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 2608 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: MAJOR DEEGAN EXWY/E 138TH ST

Revised zip code: 10451

Source of Spill: TANK TRUCK

Notifier Type: Federal Government

Caller Name:

DEC Investigator: UNASSIGNED

Spiller: CHEMICAL LEAMON

Notifier Name:

Caller Agency:

Contact for more spill info:

Spiller Phone: (609) 845-1819

Notifier Phone:

Caller Phone:

Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/07/1987	11/07/1987	TRAFFIC ACCIDENT	UNKNOWN	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

NYC AND SPILLER ON SCENE, TANK TRUCK FLIPPED OVER.

DEC Investigator Remarks:

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

10/10/95: This is additional information about material spilled from the translation of the old spill file: LIQUID OXYGEN.

THE FOLLOWING CLOSED SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, VANDALISM OR STORMS. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
9612108	EAST 149TH ST/EXTERIOR ST	EAST 149TH ST/EXTERIOR ST	BRONX
1109594	COLLEGE PARKING LOT	550 GRAND CONCOURSE	BRONX
1805198	NYC TRANSIT	GROUND CONCOURSE AND E 154TH ST	BRONX
1801898	DRUM RUN	E 150TH ST AND ANTHONY GRIFFIN PL	BRONX
0890255	208421; S/S E150 ST 32' WWC ANTHONY GRIFFIN PLACE	S/S E150 ST 32' WWC ANTHONY GRIFFIN PLACE	BRONX
8700839	475 GRAND CONCOURSE / BRO	475 GRAND CONCOURSE	NEW YORK
1204700	DRUM RUN	EAST 153 ST AND WALTON AVE	BRONX
9801301	CARMEL HAYS HIGH SCHOOL	650 GRAND CONCOURSE	BRONX

9210903	670 GRAND CONCOURSE	670 GRAND CONCOURSE	BRONX
0413387	DRUM RUN PICKUP	676 GRAND CONCOURSE	BRONX
1011979	SOIL	450 GRAND CONCOURSE	BRONX
0607762	MANHOLE 4505	WEST GERARD AVE/146TH ST	BRONX
0607307	AUTO REPAIR SHOP	702 GRAND CONCOURSE	BRONX
0711025	RESIDENTIAL BLDG.	691 GERARD AVE.	BRONX
0210245	SPILL NUMBER 0210245	691 GERARD AVE	BRONX
0706095	FORMER SCHOOL PS31X	425 GRAND CONCOURSE	BRONX
9614169	730 GRAND CONCOURSE	730 GRAND CONCOURSE	BRONX
1506899	20735 MANHOLE CON ED	149 ST AND PARK AVE	BRONX
9412692	711 WALTON AVENUE	711 WALTON AVENUE	BRONX
0600572	CONSTRUCITON SITE	GRAND CONCOURSE/155TH STR	BRONX
9400122	SURREY RESIDENCE	740 GRAND CONCOURSE	BRONX
0712507	CONSTRUCTION SITE	725 EXTERIOR STREET	BRONX
0604618	VS 2773	385 GERARD AVENUE	BRONX
0205576	MANHOLE 1676	385 GERARD AV	BRONX
1809365	PANTHEON PROPERTIES/FORMER GAS STATION	399 EXTERIOR ST	BRONX
0503991	AMBOY BUS	399 EXTERIOR ST	BRONX
9801948	SPILL NUMBER 9801948	721 WALTON AVENUE	BRONX
0701863	APART	721 WALTON AVE	BRONX
1108611	KIPPS SCHOOL	201 EAST 144TH ST	BRONX
1501082	HOME	655 MORRIS AVE	BRONX
0301218	EAST 153 STREET AT	COMWELL AVENUE	BRONX
0301215	EAST 153 ST	E. 153RD ST & CROMWELL AV	BRONX
9307897	368 WALTON AVENUE	368 WALTON AVENUE	BRONX
9803123	760 GRANDE CONCOURSE	EAST 156TH STREET	BRONX
0012313	SPILL NUMBER 0012313	760 GRAND CONCOARSE	BRONX
9515003	LINCOLN MEDICAL & HEALTH	234 E.149TH ST	BRONX
9310375	234 EAST 149TH STREET	234 EAST 149TH STREET	BRONX
9208811	234 EAST 149TH STREET	234 EAST 149TH STREET	BRONX
0912680	LINCOLN HOSPITAL EMERGENCY ENTRANCE	PARK AVE SIDE	BRONX
0300090	MAJOR DEEGAN EXPRESS SB	OFF 153RD ST EXIT	BRONX
1203371	RESIDENTIAL PROPERTY	720 LENOX AVE BETWEEN W147 AND W146	MANHATTAN
1011693	PVT DWELLING/APT BUILDING	780 GRAND CONCOURSE	BRONX
0311114	MANHOLE #4917	780 GRAND CONCOURSE ROAD	BRONX
1009079	221358; MORRIS AVENUE	MORRIS AVENUE	BRONX
0814326	212762; E 157 ST & WALTON AVE	E 157 ST & WALTON AVE	NEW YORK
0600774	MANHOLE 20390	153 STREET & MORRIS AVE	BRONX
9912851	MANHOLE 20362	140 9TH ST / MORRIS AVE	BRONX
1204021	ROADWAY	149TH ST & MORRIS AVE	BRONX
0405556	ON THE ROADWAY	149TH ST./MORRIS AVE.	BRONX
9513120	556 MORRIS AVE	556 MORRIS AVE	BRONX
0410680	MANHOLE #3861	EAST 140 ST AND EXTERIOR	BRONX
0311223	MANHOLE #4492	JERARD AVE/E 140TH ST	BRONX

1310090	DRUM RUN	EAST 150 ST ACROSS FROM 276 EAST 150	BRONX
0890118	206775; W/S MORRIS AVE, OPP SEC E154 ST	W/S MORRIS AVE, OPP SEC E154 ST	BRONX
0204050	SPILL NUMBER 0204050	PARK AVENUE / E 141TH ST	BRONX
0403713	MANHOLE #20358	MORRIS AVE & EAST 148TH S	BRONX
9612211	APARTMENT HOUSE	815 GERARD AV	BRONX
0500549	APARTMENT BUILDING	815 GERARD AVE	BRONX
1701876	ON THE ROADWAY	146TH STREET/MALCOLM X BLVD	BRONX
9312938	310 WALTON AVENUE	310 WALTON AVENUE	BRONX
9612513	376 CANAL PL	376 CANAL PL	BRONX
1504031	CONSTRUCTION SITE	810 RIVER AVE	BRONX
1111396	ROADWAY	145 ST AND LENOX AVE	MANHATTAN
0212604	COLOR CARTION CORP	2650 PARK PL	BRONX
0890133	206946; W/S OF MORRIS AVENUE & EAST 144TH STREET	W/S OF MORRIS AVENUE & EAST 144TH STREET	
0601225	MANHOLE 9539	WALTON AVE & E. 158TH ST	BRONX
8801213	BUDGEWOOD LAUNDRY	BUDGEWOOD LAUNDRY	NYC
0814304	212615; GERARD AVE AND 158 ST	GERARD AVE AND 158 ST	NEW YORK
1112351	MANHOLE 4925	GRAND CONCOURSE / EAST 158 ST INTERSECTION	BRONX
9707080	METRO NORTH MOTT HAVEN	156TH ST & PARK AVE	BRONX
9703926	MTA METRO NORTH YARD	156 TH ST & PARK AVE	BRONX
1308294	MOTT HAVEN YARD	156TH ST AND CONCOURSE VILLAGE EAST	BRONX
0900403	CONCORSE VILLAGE EAST AND 156 STREET	MOTT HAVEN YARD	BRONX
0209040	METRO NORTH RR	MOTT HAVEN YARD 156TH ST	BRONX
9814638	RIDER AVE & EAST 141ST	RIDER AVE & EAST 141ST	BRONX
9405257	WALTON AVE-138 & 140TH ST	WALTON AVE-138 & 140TH ST	BRONX
0408367	VAULT #4472	WEST 142 /CHISM PLACE	MANHATTAN
1602957	VAULT 1376	158TH ST AND CONCOURSEVILLAGE W	BRONX
1409664	ALLIANCE GLOBAL GAS STATION	119 WEST 145 ST	NEW YORK
1307182	GETTY STATION 5442	119 WEST 145TH	MANHATTAN
0705883	GETTY #58409	119 WEST 145TH ST	MANHATTAN
0701865	GETTY#58409	119 W. 145TH ST	MANHATTAN
9900021	SPILL NUMBER 9900021	2541 7TH AVE	NEW YORK
9411362	ESPLANADE GARDENS	101 W. 147TH ST	MANHATTAN
0401726	VS 6090	2569-2573 7TH AVE	MANHATTAN
0108125	ESPLANADE GARDENS	101 WEST 147TH ST	NEW YORK
9610399	NYC TRANSIT AUTHORITY	146TH ST & LENOX	MANHATTAN
9513237	CLARA HALE DEPOT	146TH ST & LENNOX AV	MANHATTAN
9503127	CLARA HALE DEPOT	721 LENOX AVE	MANHATTAN
9304003	721 LENOX AVE	721 LENOX AVE	MANHATTAN
1411846	MOTHER CLARA HALE TERMINAL	721 LENOX AVE	MANHATTAN
1410858	MOTHER CLARA HAIL DEPOT NYC TRANSIT	721 LENOX AVENUE	NEW YORK
1406736	MOTHER CLARA HALE DEPOT	721 LENOX AVE	NEW YORK
0703773	MOTHER CLARA HILL BUS	146TH AND 7TH	BRONX
0401607	MOTHER CLARA HILL DEPOT	721 LENOX AVE	NEW YORK
0311419	CLARA HALE DEPOT	721 LENOX AVE	MANHATTAN

0303989	MOTHER CLARA HALE DEPOT	721 LENOX AVE	NEW YORK
0300236	CLARA HALE BUS DEPOT	721 LENOX AVE	NEW YORK
0206465	MOTHER CLARA HALE DEPOT	146TH ST & LENNIX AVE	MANHATTAN
8905189	LENOX & 7TH AV/147TH ST	LENOX & 7TH AV/147TH ST	NEW YORK CITY
0802273	YANKEE STADIUM	OFF OF EXIT 6	BRONX
0707859	STREET	CHISUM PLACE	MANHATTEN
9800693	MELROSE HOUSES -NYCHA	304 E 156TH ST	BRONX
9210911	304 EAST 156TH STREET	304 EAST 156TH STREET	BRONX
9416737	335 EAST 152ND STREET	335 EAST 152ND STREET	BRONX
9501773	MORRIS AVE & 142ND ST	MORRIS AVE & 142ND ST	BRONX
0814416	213355; 845 WALTON AVE	845 WALTON AVE	NEW YORK
0001183	VAULT VS2109	I/FO 850 WALTON AVE	BRONX
1103895	146TH ST BETW LENNOX AVE & ADAM CLAYTON POWELL BL	146TH ST	MANHATTAN
9514138	775 CONCOURSE VILLAGE	775 CONCOURSE VILLAGE	BRONX
9314838	775 CONCOURSE VILLAGE	775 CONCOURSE VILLAGE	BRONX
0305420	CONCOURSE VILLAGE APTS	775 CONCOURSE VILLAGE EAS	BRONX
0513599	FREDRICK SAMUALS CHILD CN	669 LENOX AVE	MANHATTAN
0814486	213780; CANAL PLACE AND E 140 ST	CANAL PLACE AND E 140 ST	NEW YORK
0008579	SPILL NUMBER 0008579	60 WEST 142ND ST	MANHATTAN
9810118	PATTERSON HOUSES -NYCHA	301 EAST 143RD STREET	BRONX
9808893	PATTERSON HOUSES -NYCHA	301 EAST 143RD STREET	BRONX
9513726	PATTERSON HOUSES -NYCHA	301 EAST 143RD STREET	BRONX
8903460	MAJOR DEEGAN EXPWY/BX	MAJOR DEEGAN EXPWY/E 138	NEW YORK CITY
9800820	SPILL NUMBER 9800820	800-803 E CONCOURSE VILLA	BRONX
9416796	2300 5TH AVENUE	2300 5TH AVENUE	NEW YORK
9405041	30 WEST 141ST STREET	30 W. 141ST ST	MANHATTAN
9311787	APT. BLDG 15 W. 139TH ST	APT. BLDG 15 W. 139TH ST.	MANHATTAN



NO OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS


PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

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

Map Identification Number 230 **VEHICLE MAINTENANCE FACILITY**
 580 GERARD AVENUE

Facility Id: 2-333212 **Source: NYS DEC**
 BRONX, 10451 TT-Id: 640A-0005-799

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Site Status: Unregulated/Closed
 Expiration Date of the facility's registration certificate:

Facility Type: Unknown

Operator Name: POSTMASTER
 Owner Name: -
 Owner Company: U.S.P.S.
 Owner Address: 558 GRAND CONCOURSE, BRONX, NY 10451

Operator Phone #: (212) 960-5037
 Owner Type: Federal Government

TANK NUMBER	TANK STATUS	REGIST.	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Closed - Removed	Yes	Gasoline	550	Underground	05/01/1950		03/01/1993
002	Closed - Removed	Yes	Gasoline	550	Underground	05/01/1950		03/01/1993
003	Closed - Removed	Yes	Gasoline	550	Underground	05/01/1950		03/01/1993
004	Closed - Removed	Yes	Gasoline	550	Underground	05/01/1950		03/01/1993
005	Closed - Removed	Yes	Gasoline	550	Underground	05/01/1950		03/01/1993
006	Closed - Removed	Yes	Gasoline	550	Underground	05/01/1950		03/01/1993
007	Closed - Removed	Yes	Gasoline	550	Underground	05/01/1950		03/01/1993
008	Closed - Removed	Yes	Gasoline	550	Underground	05/01/1950		03/01/1993
009	Closed - Removed	Yes	Gasoline	550	Underground	05/01/1950		03/01/1993

TANK NUMBER: 001
 TANK EXT. PROTECTION: None
 PIPING EXT. PROTECTN: None
 PIPING TYPE: Galvanized Steel
 OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron
 TANK LEAK DETECTN: None
 PIPING LEAK DETECTN:
 PIPING LOCATION: No Piping
 SPILL PREVENTION:

TK INT. PROTECTION: None
 TK SEC. CONTAINMNT: None
 PIPE SEC. CONTAINMNT:

DISPENSER METHOD:

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

TANK NUMBER: 002
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN: None
PIPING LOCATION: No Piping
SPILL PREVENTION:

TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:

DISPENSER METHOD:

TANK NUMBER: 003
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN: None
PIPING LOCATION: No Piping
SPILL PREVENTION:

TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:

DISPENSER METHOD:

TANK NUMBER: 004
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN: None
PIPING LOCATION: No Piping
SPILL PREVENTION:

TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:

DISPENSER METHOD:

TANK NUMBER: 005
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN: None
PIPING LOCATION: No Piping
SPILL PREVENTION:

TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:

DISPENSER METHOD:

TANK NUMBER: 006
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN: None
PIPING LOCATION: No Piping
SPILL PREVENTION:

TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:

DISPENSER METHOD:

TANK NUMBER: 007
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN: None
PIPING LOCATION: No Piping
SPILL PREVENTION:

TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:

DISPENSER METHOD:

TANK NUMBER: 008
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN: None
PIPING LOCATION: No Piping
SPILL PREVENTION:

TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:

DISPENSER METHOD:

TANK NUMBER: 009
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None

TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN:

TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None

PIPING LOCATION: No Piping
SPILL PREVENTION:

DISPENSER METHOD:

Map Identification Number 231 **580 GERARD AVENUE**
580 GERARD AVENUE



BRONX, 10451

Facility Id: 2-476021

Source: NYS DEC
TT-Id: 640A-0005-800

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Site Status: Active
Expiration Date of the facility's registration certificate: 01/31/2021

Facility Type: Trucking/Transportation/Fleet Operation

Operator Name: NA
Owner Name: MARC FLYNN - V.P.
Owner Company: NR PROPERTY 2 LLC
Owner Address: 44 W 55TH ST, NEW YORK, NY 10019

Operator Phone #:

Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	REGIST.	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
0010	Closed - Removed	Yes	#2 Fuel Oil	5000	Underground	12/01/1957		02/01/1993
002	Closed - Removed	Yes	Gasoline	550	Underground			
003	Closed - Removed	Yes	Gasoline	550	Underground			
004	Closed - Removed	Yes	Gasoline	550	Underground			
005	Closed - Removed	Yes	Gasoline	550	Underground			
006	Closed - Removed	Yes	Gasoline	550	Underground			
007	Closed - Removed	Yes	Gasoline	550	Underground			
008	Closed - Removed	Yes	Gasoline	550	Underground			
009	Closed - Removed	Yes	Gasoline	550	Underground			
010	Closed - Removed	Yes	Gasoline	550	Underground			
011	In Service	Yes	#2 Fuel Oil	2500	Underground	02/01/1993		
The following tank(s) were either deleted from the reported data or the number was re-assigned.								
001	In Service	No	#1 2 OR 4 FUEL OIL	5000	Underground	12/01/1957		

TANK NUMBER: 0010
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Steel/Carbon Steel/Iron
OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN:
PIPING LOCATION: Aboveground
SPILL PREVENTION:

TK INT. PROTECTION: None
TK SEC. CONTAINMNT: Vault (w/o access)
PIPE SEC. CONTAINMNT:

DISPENSER METHOD:

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

TANK NUMBER: 002	TANK TYPE: Steel/Carbon Steel/Iron	TK INT. PROTECTION: None
TANK EXT. PROTECTION: Painted/Asphalt Coating	TANK LEAK DETECTN: None	TK SEC. CONTAINMNT: None
PIPING EXT. PROTECTN: None	PIPING LEAK DETECTN:	PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron	PIPING LOCATION: Underground/On-ground	
OVERFILL PROTECTION: None	SPILL PREVENTION:	DISPENSER METHOD: Suction
TANK NUMBER: 003	TANK TYPE: Steel/Carbon Steel/Iron	TK INT. PROTECTION: None
TANK EXT. PROTECTION: Painted/Asphalt Coating	TANK LEAK DETECTN: None	TK SEC. CONTAINMNT: None
PIPING EXT. PROTECTN: None	PIPING LEAK DETECTN:	PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron	PIPING LOCATION: Underground/On-ground	
OVERFILL PROTECTION: None	SPILL PREVENTION:	DISPENSER METHOD: Suction
TANK NUMBER: 004	TANK TYPE: Steel/Carbon Steel/Iron	TK INT. PROTECTION: None
TANK EXT. PROTECTION: Painted/Asphalt Coating	TANK LEAK DETECTN: None	TK SEC. CONTAINMNT: None
PIPING EXT. PROTECTN: None	PIPING LEAK DETECTN:	PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron	PIPING LOCATION: Underground/On-ground	
OVERFILL PROTECTION: None	SPILL PREVENTION:	DISPENSER METHOD: Suction
TANK NUMBER: 005	TANK TYPE: Steel/Carbon Steel/Iron	TK INT. PROTECTION: None
TANK EXT. PROTECTION: Painted/Asphalt Coating	TANK LEAK DETECTN: None	TK SEC. CONTAINMNT: None
PIPING EXT. PROTECTN: None	PIPING LEAK DETECTN:	PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron	PIPING LOCATION: Underground/On-ground	
OVERFILL PROTECTION: None	SPILL PREVENTION:	DISPENSER METHOD: Suction
TANK NUMBER: 006	TANK TYPE: Steel/Carbon Steel/Iron	TK INT. PROTECTION: None
TANK EXT. PROTECTION: Painted/Asphalt Coating	TANK LEAK DETECTN: None	TK SEC. CONTAINMNT: None
PIPING EXT. PROTECTN: None	PIPING LEAK DETECTN:	PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron	PIPING LOCATION: Underground/On-ground	
OVERFILL PROTECTION: None	SPILL PREVENTION:	DISPENSER METHOD: Suction
TANK NUMBER: 007	TANK TYPE: Steel/Carbon Steel/Iron	TK INT. PROTECTION: None
TANK EXT. PROTECTION: Painted/Asphalt Coating	TANK LEAK DETECTN: None	TK SEC. CONTAINMNT: None
PIPING EXT. PROTECTN: None	PIPING LEAK DETECTN:	PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron	PIPING LOCATION: Underground/On-ground	
OVERFILL PROTECTION: None	SPILL PREVENTION:	DISPENSER METHOD: Suction
TANK NUMBER: 008	TANK TYPE: Steel/Carbon Steel/Iron	TK INT. PROTECTION: None
TANK EXT. PROTECTION: Painted/Asphalt Coating	TANK LEAK DETECTN: None	TK SEC. CONTAINMNT: None
PIPING EXT. PROTECTN: None	PIPING LEAK DETECTN:	PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron	PIPING LOCATION: Underground/On-ground	
OVERFILL PROTECTION: None	SPILL PREVENTION:	DISPENSER METHOD: Suction
TANK NUMBER: 009	TANK TYPE: Steel/Carbon Steel/Iron	TK INT. PROTECTION: None
TANK EXT. PROTECTION: Painted/Asphalt Coating	TANK LEAK DETECTN: None	TK SEC. CONTAINMNT: None
PIPING EXT. PROTECTN: None	PIPING LEAK DETECTN:	PIPE SEC. CONTAINMNT:

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

PIPING TYPE: Steel/Carbon Steel/Iron	PIPING LOCATION: Underground/On-ground	DISPENSER METHOD: Suction
OVERFILL PROTECTION: None	SPILL PREVENTION:	
TANK NUMBER: 010	TANK TYPE: Steel/Carbon Steel/Iron	TK INT. PROTECTION: None
TANK EXT. PROTECTION: Painted/Asphalt Coating	TANK LEAK DETECTN: None	TK SEC. CONTAINMNT: None
PIPING EXT. PROTECTN: None	PIPING LEAK DETECTN:	PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron	PIPING LOCATION: Underground/On-ground	DISPENSER METHOD: Suction
OVERFILL PROTECTION: None	SPILL PREVENTION:	
TANK NUMBER: 011	TANK TYPE: Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION: Fiberglass Liner (FRP)
TANK EXT. PROTECTION: Fiberglass	TANK LEAK DETECTN: In-Tank System (ATG)	TK SEC. CONTAINMNT: Double-Walled (Underground)
PIPING EXT. PROTECTN: Fiberglass	PIPING LEAK DETECTN: Exempt Suction Piping	PIPE SEC. CONTAINMNT:
PIPING TYPE: Fiberglass Reinforced Plastic (FRP)	PIPING LOCATION: Underground/On-ground	DISPENSER METHOD: Suction
OVERFILL PROTECTION: None	SPILL PREVENTION: Catch Basin	

The following tank data pertains to a tank or tanks that were either deleted from the reported data or the tank number was re-assigned.

TANK NUMBER: 001	TANK TYPE: Steel/Carbon Steel	TK INT. PROTECTION:
TANK EXT. PROTECTION:	TANK LEAK DETECTN: None	TK SEC. CONTAINMNT: Vault
PIPING EXT. PROTECTN:	PIPING LEAK DETECTN:	PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Iron	PIPING LOCATION:	DISPENSER METHOD: Suction
OVERFILL PROTECTION:	SPILL PREVENTION:	

Map Identification Number 232**AMERICAN SELF STORAGE**

586 RIVER AVENUE / 595 GERARD AVENUE

BRONX, 10451

Facility Id: 2-609485**Source: NYS DEC**

TT-Id: 640A-0005-801

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 229 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: 586 RIVER AVE

Revised zip code: NO CHANGE

Site Status: Active

Expiration Date of the facility's registration certificate: 03/17/2024

Facility Type: Other

Operator Name: AMERICAN SELF STORAGE

Owner Name: JOHN DELMONACO - MANAGER

Owner Company: GERARD AVENUE LLC

Owner Address: 788 SHREWSBURY AVE, SUITE 105, TINTON FALLS, NJ 07724

Operator Phone #: (718) 402-6800

Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	REGIST.	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	Yes	#2 Fuel Oil	10000	Aboveground on Crib Rack or Cradle	01/01/1952		
TANK NUMBER: 001			TANK TYPE: Steel/Carbon Steel/Iron		TK INT. PROTECTION: None			
TANK EXT. PROTECTION: None			TANK LEAK DETECTN: None		TK SEC. CONTAINMNT: Double-Walled (Underground)			
PIPING EXT. PROTECTN: None			PIPING LEAK DETECTN: None		PIPE SEC. CONTAINMNT: None			
PIPING TYPE: Steel/Carbon Steel/Iron			PIPING LOCATION: Aboveground					
OVERFILL PROTECTION: None			SPILL PREVENTION: None		DISPENSER METHOD: Suction			

Map Identification Number 233 **ST LUKE'S HOSPITAL**
 595 GERARD AVE

Facility Id: NY09332 **Source: NYC FIRE DEPT**
 BRONX, NY 10451 TT-Id: 660A-0001-049

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 229 feet to the NW

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: F O NO 4 10000G

Map Identification Number 234 **585 GERARD AVENUE CORP.**
 585 GERARD AVENUE

Facility Id: 2-070394 **Source: NYS DEC**
 BRONX, 10451 TT-Id: 640A-0005-807

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 311 feet to the SW

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Site Status: Unregulated/Closed
 Expiration Date of the facility's registration certificate:

Facility Type: Other

Operator Name: HERBERT W. GLASER
 Owner Name: -
 Owner Company: 585 GERARD AVENUE CORP.
 Owner Address: 50 EAST 153RD ST., BRONX, NY 10451

Operator Phone #: (718) 292-9000
 Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	REGIST.	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Closed – In Place	Yes	#2 Fuel Oil	5000	Aboveground – In Contact with Soil			09/26/1994

Map Identification Number 235 DSNY M DISTRICT 9 GARAGE

125 EAST 149TH STREET

BRONX, 10451

Facility Id: 2-455660**Source: NYS DEC**

TT-Id: 640A-0005-822

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 362 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Site Status: Active

Expiration Date of the facility's registration certificate: 12/06/2023

Facility Type: Municipality (Incl. WWTPs, Utilities, Swimming Pools)

Operator Name: CHRISTINA STENNET

Operator Phone #: (718) 292-7532

Owner Name: CHRISTIAN HOURIHAN – DEPUTY CHIEF

Owner Company: GERARD REALTY COMPANY

Owner Type: Corporate or Commercial

Owner Address: 112-20 14TH AVENUE, COLLEGE POINT, NY 11356

TANK NUMBER	TANK STATUS	REGIST.	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
002	Closed – In Place	Yes	Gasoline	550	Underground	12/01/1980		07/01/1994
003	Closed – In Place	Yes	Gasoline	550	Underground	12/01/1980		07/01/1994
004	Closed – In Place	Yes	Gasoline	550	Underground	12/01/1980		07/01/1994
005	Closed – In Place	Yes	Gasoline	1080	Underground	12/01/1980		07/01/1994
006	Closed – In Place	Yes	Gasoline	1080	Underground	12/01/1980		07/01/1994
007	Closed – In Place	Yes	Kerosene	550	Underground	12/01/1980		07/01/1994
008	Closed – In Place	Yes	Other	550	Underground	12/01/1980		12/01/2000
009	Closed – In Place	Yes	Other	550	Underground	12/01/1980		12/01/2000
010	Closed – In Place	Yes	#2 Fuel Oil	2000	Underground	12/01/1980		11/01/1999
011/1	In Service	Yes	Biodiesel	4000	Underground	12/01/1998		
The following tank 011/1 content has been deleted or replaced: Diesel								
012/2	In Service	Yes	Waste Oil/Used Oil	550	Underground	12/01/2000		
013/3	In Service	Yes	MOTOR OIL	2000	Underground	12/01/2000		
The following tank 013/3 content has been deleted or replaced: Lube Oil								
014/4	In Service	Yes	HYDRAULIC OIL	2000	Underground	12/01/2000		
001	In Service	Yes	#2 Fuel Oil	4000	Underground	04/01/2003		
001-A	Closed – In Place	Yes	Diesel	4000	Underground	12/01/1980		12/01/1998
The following tank(s) were either deleted from the reported data or the number was re-assigned.								
011	In Service	No	DIESEL	4000	Underground	12/01/1998		

**** TANK INFO CONTINUES ON NEXT PAGE ****

012	In Service	No	USED OIL	550	Underground	12/01/2000
013	In Service	No	LUBE OIL	2000	Underground	12/01/2000
014	In Service	No	LUBE OIL	2000	Underground	12/01/2000

Map Identification Number 236 **151ST AND WALTON LLC**
 175 EAST 151ST STREET

Facility Id: 2-110981
 BRONX, 10451

Source: NYS DEC
 TT-Id: 640A-0005-804

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 418 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 175 EAST 151ST ST
 Revised zip code: NO CHANGE

Site Status: Active
 Expiration Date of the facility's registration certificate: 04/21/2024

Facility Type: Apartment Building/Office Building

Operator Name: EDGAR ROMAN
 Owner Name: ARTHUR GREEN – OWNER
 Owner Company: 151ST AND WALTON LLC
 Owner Address: ONE DEPOT PLAZA, PO BOX 549, MAMARONECK, NY 10543

Operator Phone #: (347) 640-1325

Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	REGIST.	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	Yes	#6 Fuel Oil	5000	Aboveground – In Contact with Soil	07/16/1994		

Map Identification Number 237 **GLOBAL MONTELLO GROUP #3615**
 611 GRAND CONCOURSE

Facility Id: 2-156299
 BRONX, 10451

Source: NYS DEC
 TT-Id: 640A-0005-832

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 463 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Site Status: Active
 Expiration Date of the facility's registration certificate: 05/09/2023

Facility Type: Retail Gasoline Sales

Operator Name: ERIC HARVEY
 Owner Name: MEGAN KAZMIERCZAK – AUTHORIZED REPRESENTATIVE
 Owner Company: GTY-CPG (QNS/BX) LEASING INC.
 Owner Address: 125 JERICHO TURNPIKE, JERICHO, NY 11753

Operator Phone #: (516) 478-5400

Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	REGIST.	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Clsd Prior to Micro Conv 03/91	Yes	Gasoline	3000	Underground			
002	Clsd Prior to Micro Conv 03/91	Yes	Gasoline	3000	Underground			
003	Clsd Prior to Micro Conv 03/91	Yes	Gasoline	3000	Underground			
004	Clsd Prior to Micro Conv 03/91	Yes	#2 Fuel Oil	550	Underground			
005	Clsd Prior to Micro Conv 03/91	Yes	Other	550	Underground			
007	Closed – Removed	Yes	Gasoline	4000	Underground	06/01/1989		04/01/1994
008	Closed – Removed	Yes	Gasoline	4000	Underground	06/01/1989		04/01/1994
009	Closed – Removed	Yes	Gasoline	4000	Underground	06/01/1989		04/01/1994
010	Closed – Removed	Yes	Gasoline	4000	Underground	06/01/1989		04/01/1994
011	Trnk Converted to Non-Reg Use	Yes	Other	1000	Underground	06/01/1989	11/01/1990	04/01/1994
012	Closed – Removed	Yes	#2 Fuel Oil	1000	Underground	06/01/1989		04/01/1994
013	In Service	Yes	Gasoline/Ethanol	4000	Underground	04/01/1994	06/29/2006	
The following tank 013 content has been deleted or replaced: Gasoline								
The following tank 013 content has been deleted or replaced: Other								
014	In Service	Yes	Gasoline/Ethanol	4000	Underground	04/01/1994	06/29/2006	
The following tank 014 content has been deleted or replaced: Gasoline								
The following tank 014 content has been deleted or replaced: Other								
015	In Service	Yes	Gasoline/Ethanol	4000	Underground	04/01/1994	06/29/2006	
The following tank 015 content has been deleted or replaced: Gasoline								
The following tank 015 content has been deleted or replaced: Other								
016	In Service	Yes	Gasoline/Ethanol	4000	Underground	04/01/1994	06/29/2006	
The following tank 016 content has been deleted or replaced: Gasoline								
The following tank 016 content has been deleted or replaced: Other								
017	In Service	Yes	Gasoline/Ethanol	4000	Underground	04/01/1994	05/01/1999	
The following tank 017 content has been deleted or replaced: Gasoline								
The following tank 017 content has been deleted or replaced: Other								
006	Closed – Removed	Yes	Waste Oil/Used Oil	1000	Underground	06/01/1989		01/01/1994
006-A	Closed – Removed	Yes	Gasoline	4000	Underground	06/01/1989		04/01/1994

Map Identification Number 238 **MOBIL S/S 17-KRQ BRONX TERMINA**
 99 EAST 149TH STREET

Facility Id: 2-156590 **Source: NYS DEC**
 BRONX, 10451 TT-Id: 640A-0005-812

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 465 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Site Status: Inactive
 Expiration Date of the facility's registration certificate:

Facility Type: Unknown

Operator Name: D SHAPIRIO
 Owner Name: -
 Owner Company: MOBIL OIL CORP;ATT:A.J.PRINGLE
 Owner Address: 3225 GALLOWES RD.; ENV.ENGINEER, FAIRFAX, VA 22037

Operator Phone #: (212) 292-4400
 Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	REGIST.	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Closed – Removed	Yes	Gasoline	4000	Underground	12/01/1971		09/01/1991
002	Closed – Removed	Yes	Gasoline	4000	Underground	12/01/1971		09/01/1991
003	Closed – Removed	Yes	Gasoline	4000	Underground	12/01/1971		09/01/1991
004	Closed – Removed	Yes	Gasoline	4000	Underground	12/01/1971		09/01/1991
005	Closed – Removed	Yes	Gasoline	4000	Underground	12/01/1971		09/01/1991
006	Tnk Converted to Non-Reg Use	Yes	#2 Fuel Oil	550	Underground	12/01/1971		09/01/1991
007	Tnk Converted to Non-Reg Use	Yes	Other	550	Underground	12/01/1971		06/09/2000

Map Identification Number 239

BP#13990

Facility Id: 2-600626

Source: NYS DEC



99-113 149TH STREET

BRONX, 10451

TT-Id: 640A-0005-835

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 465 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: 99 EAST 149TH STREET

Revised zip code: NO CHANGE

Site Status: Active

Expiration Date of the facility's registration certificate: 01/22/2022

Facility Type: Retail Gasoline Sales

Operator Name: TERRESA BURDICK

Operator Phone #: (718) 585-2526

Owner Name: JOHN W. MAHONEY – RETAIL COMPLIANCE CONTRACTOR

Owner Company: CROSS DEEGAN REALTY CORPORATION

Owner Type: Corporate or Commercial

Owner Address: 3333 NEW HYDE PARK ROAD, SUITE 201, NEW HYDE PARK, NY 11042

TANK NUMBER	TANK STATUS	REGIST.	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
03	In Service	Yes	Gasoline/Ethanol	4000	Underground	09/01/1990	08/11/2010	
The following tank 03 content has been deleted or replaced:			Gasoline					
The following tank 03 content has been deleted or replaced:			Other					
02	In Service	Yes	Gasoline/Ethanol	4000	Underground	09/01/1990	08/11/2010	
The following tank 02 content has been deleted or replaced:			Gasoline					
The following tank 02 content has been deleted or replaced:			Other					
05	In Service	Yes	Gasoline/Ethanol	4000	Underground	09/01/1990	08/11/2010	
The following tank 05 content has been deleted or replaced:			Gasoline					
The following tank 05 content has been deleted or replaced:			Other					
01	In Service	Yes	Gasoline/Ethanol	4000	Underground	09/01/1990	08/11/2010	
The following tank 01 content has been deleted or replaced:			Gasoline					
The following tank 01 content has been deleted or replaced:			Other					
04	In Service	Yes	Gasoline/Ethanol	4000	Underground	09/01/1990	08/11/2010	
The following tank 04 content has been deleted or replaced:			Gasoline					
The following tank 04 content has been deleted or replaced:			Other					
06	Temporarily Out of Service	Yes	Waste Oil/Used Oil	2500	Underground	02/01/1995		
The following tank 06 content has been deleted or replaced:			Lube Oil					
The following tank 06 content has been deleted or replaced:			Other					

07	Temporarily Out of Service	Yes	MOTOR OIL	1000	Underground	02/01/1995
The following tank 07 content has been deleted or replaced: Lube Oil						
The following tank 07 content has been deleted or replaced: Other						
08	Temporarily Out of Service	Yes	MOTOR OIL	1000	Underground	02/01/1995
The following tank 08 content has been deleted or replaced: Lube Oil						
The following tank 08 content has been deleted or replaced: Other						
09	Temporarily Out of Service	Yes	TRANSMISSION FLUID	600	Underground	02/01/1995
The following tank 09 content has been deleted or replaced: Other						
The following tank 09 content has been deleted or replaced: Other						
10	In Service	Yes	#2 Fuel Oil	275	Aboveground on Crib Rack or Cradle	02/01/1995
The following tank(s) were either deleted from the reported data or the number was re-assigned.						
18980	In Service	No	UNLEADED GASOLINE	4000	Underground Vaulted w/ Access	09/90
18981	In Service	No	UNLEADED GASOLINE	4000	Underground Vaulted w/ Access	09/90
18984	In Service	No	UNLEADED GASOLINE	4000	Underground Vaulted w/ Access	09/90
18985	In Service	No	UNLEADED GASOLINE	4000	Underground Vaulted w/ Access	09/90
18986	In Service	No	UNLEADED GASOLINE	4000	Underground Vaulted w/ Access	09/90

Map Identification Number 240 **ENGINE COMPANY 41**
 150 E. 150TH STREET

Facility Id: 2-604541 **Source: NYS DEC**
 BRONX, 10451 TT-Id: 640A-0005-828

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 477 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Site Status: Unregulated/Closed
 Expiration Date of the facility's registration certificate:

Facility Type: Other

Operator Name: JOSEPH MASTROPIETRO
 Owner Name: -
 Owner Company: NEW YORK CITY FIRE DEPARTMENT
 Owner Address: 48-34 35TH STREET, LONG ISLAND CITY, NY 11101

Operator Phone #: (718) 784-6500
 Owner Type: Local Government

TANK NUMBER	TANK STATUS	REGIST.	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Closed - Removed	Yes	#2 Fuel Oil	2000	Aboveground on Crib Rack or Cradle			

Map Identification Number 241 **151 EAST 151ST STREET**
 151 EAST 151ST STREET

BRONX, 10451 **Facility Id: 2-610934**

Source: NYS DEC
 TT-Id: 640A-0081-187

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 480 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Site Status: Unregulated/Closed
 Expiration Date of the facility's registration certificate:

Facility Type: Other

Operator Name: SHELDON TROTMAN
 Owner Name: R. SKALLERUP - DEPUTY COMMISSIONER
 Owner Company: NEW YORK CITY DEPT OF HOMELESS SERVICES
 Owner Address: 33 BEAVER ST., 13TH FLOOR, NEW YORK, NY 10004

Operator Phone #: (212) 312-4737

Owner Type:

TANK NUMBER	TANK STATUS	REGIST.	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Closed - Removed	Yes	Gasoline	550	Underground Vaulted with Access	10/26/1982		09/20/2008
002	Closed - Removed	Yes	Gasoline	550	Underground Vaulted with Access	10/26/1982		09/20/2008
003	Closed - Removed	Yes	Gasoline	550	Underground Vaulted with Access	10/26/1982		09/20/2008
004	Closed - Removed	Yes	Gasoline	550	Underground Vaulted with Access	10/26/1982		09/20/2008
005	Closed - Removed	Yes	Gasoline	550	Underground Vaulted with Access	10/26/1982		09/20/2008
006	Closed - Removed	Yes	Gasoline	550	Underground Vaulted with Access	10/26/1982		09/20/2008

Map Identification Number 242 **CONCOURSE METRO TIRE**
 579 GRAND CONCOURSE

BRONX, NY 10451 **Facility Id: NY02816**

Source: NYC FIRE DEPT
 TT-Id: 660A-0000-396

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 506 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments:

Map Identification Number 243 **557 GRAND CONCOURSE**
 557 GRAND CONCOURSE

Facility Id: 2-207608
 BRONX, 10451

Source: NYS DEC
 TT-Id: 640A-0005-814

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 571 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Site Status: Unregulated/Closed
 Expiration Date of the facility's registration certificate:

Facility Type: Retail Gasoline Sales

Operator Name: JOSE PEREZ
 Owner Name: CARY WOLF – PRESIDENT
 Owner Company: GRAND CONCOURSE REALTY CORPORATION
 Owner Address: 125 JERICHO TURNPIKE, JERICHO, NY 11753

Operator Phone #: (212) 665-0844

Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	REGIST.	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Closed – Removed	Yes	Gasoline	4000	Underground	12/01/1971	05/08/2001	11/01/2006
002	Closed – Removed	Yes	Gasoline	4000	Underground	12/01/1971	05/08/2001	11/01/2006
003	Closed – Removed	Yes	Gasoline	4000	Underground	12/01/1971	05/08/2001	11/01/2006
004	Closed – Removed	Yes	#2 Fuel Oil	550	Underground	12/01/1971		11/01/2006
005	Closed – Removed	Yes	Waste Oil/Used Oil	550	Underground	12/01/1971		08/01/2000

Map Identification Number 244 **JOSE PEREZ**
 557 GRAND CONCOURSE

Facility Id: 2-482803
 BRONX, 10450

Source: NYS DEC
 TT-Id: 640A-0005-834

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)
 Approximate distance from property: 571 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: 10451

Site Status: Inactive
 Expiration Date of the facility's registration certificate:

Facility Type: Unknown

Operator Name: JOSE PEREZ

Operator Phone #: (212) 665-0844

Owner Name: -

Owner Company: STORAGE MAINTAINENCE

Owner Type:

Owner Address: 55 JERCHO TURNPIKE, JERICHO, NY 11753

TANK NUMBER	TANK STATUS	REGIST.	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Tnk Converted to Non-Reg Use	Yes	Gasoline	4000	Underground	12/01/1971		01/01/1995
002	Tnk Converted to Non-Reg Use	Yes	Gasoline	4000	Underground	12/01/1971		01/01/1995
003	Tnk Converted to Non-Reg Use	Yes	Gasoline	4000	Underground	12/01/1971		01/01/1995
004	Tnk Converted to Non-Reg Use	Yes	#2 Fuel Oil	550	Underground	12/01/1971		01/01/1995
005	Tnk Converted to Non-Reg Use	Yes	Other	550	Underground	12/01/1971		01/01/1995

Map Identification Number 245 BRONX TERMINAL MARKET WATERFRONT PARK

EXTERIOR STREET & EAST 150TH STREET

BRONX, 10451

Facility Id: 2-610368**Source: NYS DEC**

TT-Id: 640A-0001-167

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 638 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: EXTERIOR STREET / EAST 150TH STREET

Revised zip code: NO CHANGE

Site Status: Unregulated/Closed

Expiration Date of the facility's registration certificate:

Facility Type: Other

Operator Name: NYC PARK & RECREATION

Operator Phone #: (718) 760-6725

Owner Name: JOHN NATOLI - CHIEF ENGINEER

Owner Company: NYC PARKS & RECREATION

Owner Type: Local Government

Owner Address: OLMSTED CENTER, FLUSHING MEADOWS-CORONA PARK, FLUSHING, NY 11368

TANK NUMBER	TANK STATUS	REGIST.	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Closed - Removed	Yes	#2 Fuel Oil	2000	Underground	07/01/1970		
002	Closed - Removed	Yes	Diesel	550	Underground	07/01/1970		
003	Closed - Removed	Yes	Diesel	550	Underground	07/01/1970		
004	Closed - Removed	Yes	Diesel	550	Underground	07/01/1970		
005	Closed - Removed	Yes	Diesel	550	Underground	07/01/1970		
006	Closed - Removed	Yes	Diesel	550	Underground	07/01/1970		02/09/2007
007	Closed - Removed	Yes	Diesel	550	Underground	07/01/1970		02/09/2007
008	Closed - Removed	Yes	Diesel	550	Underground	07/01/1970		02/09/2007
009	Closed - Removed	Yes	Diesel	550	Underground	07/01/1970		02/09/2007

Map Identification Number 246 **BRONX HOUSE OF DETENTION FOR MEN**
 653 RIVER AVENUE

Facility Id: 2-187801 **Source: NYS DEC**
 BRONX, 10451 TT-Id: 640A-0001-764

MAP LOCATION INFORMATION

Site location mapped by:

Approximate distance from property: 644 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 653 RIVER AVE

Revised zip code: NO CHANGE

Site Status: Unregulated/Closed

Expiration Date of the facility's registration certificate:

Facility Type: Municipality (Incl. WWTPs, Utilities, Swimming Pools)

Operator Name: ED HILLA

Operator Phone #: (718) 513-7723

Owner Name: -

Owner Company: NYC ECONOMIC DEVELOPMENT CORPORATION

Owner Type: Local Government

Owner Address: 110 WILLIAM ST, NEW YORK, NY 10038

TANK NUMBER	TANK STATUS	REGIST.	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Closed - Removed	Yes	#6 Fuel Oil	7000	Underground	12/01/1946		05/03/2003
002	Closed - Removed	Yes	#6 Fuel Oil	7000	Underground	12/01/1946		05/09/2003
003	Closed - Removed	Yes	#6 Fuel Oil	15000	Underground	12/01/1946		05/09/2003
004	Closed - Removed	Yes	#2 Fuel Oil	4000	Underground	12/01/1981	12/01/1998	05/09/2003
5	Tnk Converted to Non-Reg Use	Yes	Other	5000	Underground	11/03/2004		
			The following tank 5 content has been deleted or replaced: Diesel					
			The following tank 5 content has been deleted or replaced: Other					
6	Tnk Converted to Non-Reg Use	Yes	Other	12000	Underground	11/03/2004		
			The following tank 6 content has been deleted or replaced: #2 Fuel Oil					
			The following tank 6 content has been deleted or replaced: Other					
7	Tnk Converted to Non-Reg Use	Yes	Other	12000	Underground	11/03/2004		
			The following tank 7 content has been deleted or replaced: #2 Fuel Oil					
			The following tank 7 content has been deleted or replaced: Other					

Map Identification Number 247 **C KENNETH IMPORTS CO.**
 586 CROMWELL AVE

Facility Id: NY02313 **Source: NYC FIRE DEPT**
 BRONX, NY 10451 TT-Id: 660A-0000-342

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING - LARGE SITE

Approximate distance from property: 644 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: 2500 #2 OIL

Map Identification Number 248 **HOSANNA PAPER CO**
 586 CROMWELL AVE

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING – LARGE SITE
Approximate distance from property: 644 feet to the NNW

NOTE: This is an archived database

Comments: 2500 #2OIL

Facility Id: NY04829 **Source: NYC FIRE DEPT**
BRONX, NY 10451 TT-Id: 660A-0000-602

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Map Identification Number 249 **HOSTOS COMMUNITY COLLEGE**
 120 E 149 ST

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 660 feet to the S

NOTE: This is an archived database

Comments: FUEL OIL 4000G

Facility Id: NY04830 **Source: NYC FIRE DEPT**
BRONX, NY 10451 TT-Id: 660A-0001-318

ADDRESS CHANGE INFORMATION
Revised street: 120 E 149TH ST
Revised zip code: NO CHANGE



HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

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

Map Identification Number 250



EPA (RCRA) Name:

EPA (RCRA) Address:

US POSTAL SERVICE – VMF

580 GERARD AVE

BRONX, NY 10451–5242

Facility Id: NY5180010451

TT-Id: 740A–0003–996

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: 09/29/1989

Incinerator:

Transporter:

Contact Name: THOMAS SCOPAC

Source Type: Notification

Contact Phone: 718–960–5036 Contact Info Date: 09/29/1989

Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE WASTE
CODE DESCRIPTION

WASTE WASTE TRANSACTION
AMOUNT UNITS TYPE
YEAR HISTORIC MAXIMUM
AMOUNT YEAR

NONE Site reported by US EPA. No facility or hazardous waste activity reported by NYS.

Map Identification Number 251



NYSDEC Name:

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

UNITED STATES POST OFFICE

580 GERARD AVE

US POSTAL SERVICE – VMF

580 GERARD AVE

BRONX, NY 10451

BRONX, NY 10451

Facility Id: NYD982727885

TT-Id: 740A–0003–997

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: SMALL QUANTITY GENERATOR

Notification date: 03/17/1989

Land Disposal: Receives offsite waste:

Incinerator:

Storer: Treatment facility:

Transporter:

Contact Name: ROBERT SKRIVANEK

Source Type: Implementer

Contact Phone: 718-960-5031

Contact Info Date: 10/10/2007

Contact Name: RONALD RUFF

Source Type: Notification

Contact Phone: 718-960-5031

Contact Info Date: 03/17/1989

Contact Name: ROBERT SKRIVANEK

Source Type: Annual/Biennial Report

Contact Phone: 212-330-3123

Contact Info Date: 03/01/1992

Historically listed as the following USEPA RCRA Generator Size(s) as well:

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

US EPA RCRA Violations:

Violation Type: Generators – General

Violation Number: 0001 Location: NY

Former Citation:

Responsible Agency: STATE

Violation Determination Date: 09/28/1994

Violation Return to Compliance: 12/19/1994

Violation Type: LDR – General

Violation Number: 0002 Location: NY

Former Citation:

Responsible Agency: STATE

Violation Determination Date: 09/28/1994

Violation Return to Compliance: 12/19/1994

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
More than one waste code was reported for the following waste amount:							
D001	Solid waste that exhibits the characteristic of ignitability	4	POUNDS	GENERATED	2009		
D006	Cadmium						
D018	BENZENE						
More than one waste code was reported for the following waste amount:							
D001	Solid waste that exhibits the characteristic of ignitability	100	POUNDS	GENERATED	2008	400	2007
D008	Lead						
D018	BENZENE						
More than one waste code was reported for the following waste amount:							
D001	Solid waste that exhibits the characteristic of ignitability	795	POUNDS	GENERATED	2007		
D018	BENZENE						
More than one waste code was reported for the following waste amount:							
F005	Spent non-halogenated solvents	500	POUNDS	GENERATED	2007		
F003	Spent non-halogenated solvents						

NYS DEC Manifested Waste Transactions for NYD982727885 continued ---- see previous page

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D001	Solid waste that exhibits the characteristic of ignitability						
D035	Methyl ethyl ketone						
D001	Solid waste that exhibits the characteristic of ignitability	1000	POUNDS	GENERATED	2006	4652	1993
D007	Chromium	600	POUNDS	GENERATED	2006		
F005	Spent non-halogenated solvents	660	POUNDS	GENERATED	2006	819	1990
D001	Solid waste that exhibits the characteristic of ignitability	55	GALLONS	GENERATED	2005	385	1993
D039	Tetrachloroethylene	19	GALLONS	GENERATED	2005	70	1996
D002	Solid waste that exhibits the characteristic of corrosivity	45	POUNDS	GENERATED	2000		
D005	Barium	150	POUNDS	GENERATED	2000		
D006	Cadmium	30	GALLONS	GENERATED	1997		
D018	BENZENE	1384	POUNDS	GENERATED	1995		
D008	Lead	120	GALLONS	GENERATED	1993		
F003	Spent non-halogenated solvents	27	POUNDS	GENERATED	1992	135	1990

Map Identification Number 252**EPA (RCRA) Name:**

EPA (RCRA) Address:

AUTORAMA ENTERPRISES OF BRONX

610 GERARD AVE

BRONX, NY 10451

Facility Id: NYR000100255

TT-Id: 740A-0004-002

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: 08/29/2001

Incinerator:

Transporter:

Contact Name: MIRIAM BURGOS

Source Type: Implementer

Contact Phone: 718-585-7100

Contact Info Date: 01/01/2007

Contact Name: MIRIAM BURGOS

Source Type: Notification

Contact Phone: 718-585-7100

Contact Info Date: 08/29/2001

Historically listed as the following USEPA RCRA Generator Size(s) as well:

SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR

NONE Site reported by US EPA. No facility or hazardous waste activity reported by NYS.

Map Identification Number 253**NYSDEC Name:**

NYSDEC Address:

DGI TRANSPORT CORP

586 RIVER AVE

BRONX, NY 10451

Facility Id: NYN30003A415

TT-Id: 740A-0004-017

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 201 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

This facility has been deleted from the reported data. Data reflects last reported information.

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR

NONE No hazardous waste activity reported by NYS up to 6/10/2019.

Map Identification Number 254**NYSDEC Name:**

NYSDEC Address:

CON EDISON - MANHOLE 32269

595 GERARD AVE

BRONX, NY 10451

Facility Id: NYP004998682

TT-Id: 740A-0150-464

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 201 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR

NONE No hazardous waste activity reported by NYS up to 6/10/2019.

Map Identification Number 255 	EPA (RCRA) Name: EPA (RCRA) Address:	CON EDISON 602 WALTON AVE	BRONX, NY 10451	Facility Id: NYP004813883 TT-Id: 740A-0148-073

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)

Approximate distance from property: 209 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: None Given

Incinerator:

Transporter:

Contact Name: THOMAS TEELING

Source Type: Emergency

Contact Phone: 212-460-3770

Contact Info Date: 07/28/2015

Contact Name: THOMAS TEELING

Source Type: Implementer

Contact Phone: 212-460-3770

Contact Info Date: 07/28/2015

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR

NONE Site reported by US EPA. No facility or hazardous waste activity reported by NYS.

Map Identification Number 256 	NYSDEC Name: NYSDEC Address:	CONSOLIDATED EDISON MH4513-E 150TH ST & GERARD AVE	BRONX, NY	Facility Id: NYP004045266 TT-Id: 740A-0003-999

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 213 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: E 150TH ST / GERARD AVE

Revised zip code: 10451

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
B007	Other PCB Wastes including contaminated soil, solids, sludges, clothing, etc.	112	KILOGRAMS	GENERATED	1999		

Map Identification Number 257



NYSDEC Name:

NYSDEC Address:

CONSOLIDATED EDISON

TMH625-150TH ST & GERARD AVE

BRONX, NY

Facility Id: NYP004045357

TT-Id: 740A-0003-998

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 213 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: E 150TH ST / GERARD AVE

Revised zip code: 10451

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
B002	Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm	364	KILOGRAMS	GENERATED	1999		

Map Identification Number 258



NYSDEC Name:

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

CONSOLIDATED EDISON - TM 625

150 & GERRARD

CON EDISON

GERARD AVE & E 150TH ST

BRONX, NY 10451

BRONX, NY 10453

Facility Id: NYP004212635

TT-Id: 740A-0072-560

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 213 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: E 150TH ST / GERARD AVE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Notification date: None Given

Land Disposal: Receives offsite waste:

Incinerator:

Storer: Treatment facility:

Transporter:

Contact Name: DENNIS ROHRER

Source Type: Emergency

Contact Phone: 914-925-6219

Contact Info Date: 08/02/2010

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	300	POUNDS	GENERATED	2010		

Map Identification Number 259



NYSDEC Name:

NYSDEC Address:

CON EDISON

GERARD AVE & E 150 ST
TM623

BRONX, NY 10461

Facility Id: NYP004648499

TT-Id: 740A-0115-496

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 213 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: GERARD AVE / E 150TH ST

Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	1500	POUNDS	GENERATED	2014		

Map Identification Number 260



EPA (RCRA) Name:

EPA (RCRA) Address:

NYSDEC Name:

NYSDEC Address:

SB 4543

CON EDISON

GERARD AVE & E 150TH ST

CON EDISON

C/O GERARD AVE & E 158 ST

BRONX, NY 10451

BRONX, NY 10451

Facility Id: NYP004749867

TT-Id: 740A-0153-635

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 213 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Special Note(s): The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Notification date: None Given

Land Disposal: Receives offsite waste:

Incinerator:

Storer: Treatment facility:

Transporter:

Contact Name: THOMAS TEELING Source Type: Emergency
 Contact Name: THOMAS TEELING Source Type: Implementer

Contact Phone: 212-460-3770 Contact Info Date: 03/12/2015
 Contact Phone: 212-460-3770 Contact Info Date: 03/12/2015

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	1000	POUNDS	GENERATED	2015		

Map Identification Number 261



NYSDEC Name:

CON EDISON

NYSDEC Address:

624 WALTON AVE

BRONX, NY 10451

EPA (RCRA) Name:

CON EDISON

EPA (RCRA) Address:

624 WALTON AVE

BRONX, NY 10451

Facility Id: NYP004779658

TT-Id: 740A-0135-000

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 280 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Notification date: None Given

Land Disposal: Receives offsite waste:

Incinerator:

Storer: Treatment facility:

Transporter:

Contact Name: THERESA BURKARD Source Type: Annual/Biennial Report update with Notification
 Contact Name: THOMAS TEELING Source Type: Emergency
 Contact Name: THOMAS TEELING Source Type: Implementer

Contact Phone: 212-460-2262 Contact Info Date: 02/05/2016
 Contact Phone: 212-460-3770 Contact Info Date: 05/06/2015
 Contact Phone: 212-460-3770 Contact Info Date: 05/06/2015

Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	5000	POUNDS	GENERATED	2015		

Map Identification Number 262**EPA (RCRA) Name:**

EPA (RCRA) Address:

CON EDISON

E 151ST ST & WALTON AVE

BRONX, NY 10454

Facility Id: NYP004206936

TT-Id: 740A-0071-610

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 337 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: E 151ST ST / WALTON AVE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: None Given

Incinerator:

Transporter:

Contact Name: DAVID DUKE

Source Type: Emergency

Contact Phone: 917-559-8971 Contact Info Date: 05/20/2010

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION

WASTE AMOUNT	WASTE UNITS

TRANSACTION TYPE

YEAR

HISTORIC MAXIMUM AMOUNT	YEAR

NONE Site reported by US EPA. No facility or hazardous waste activity reported by NYS.

Map Identification Number 263**NYSDEC Name:**

NYSDEC Address:

CONSOLIDATED EDISON

MH9515 - E 151ST ST / WALTON AVE

BRONX, NY

Facility Id: NYP004206937

TT-Id: 740A-0071-667

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 337 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: E 151ST ST / WALTON AVE

Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION

WASTE AMOUNT	WASTE UNITS

TRANSACTION TYPE

YEAR

HISTORIC MAXIMUM AMOUNT	YEAR

D008 Lead

100

POUNDS

GENERATED

2010

Map Identification Number 264**EPA (RCRA) Name:**

EPA (RCRA) Address:

CON EDISON TRANSFORMER MANHOLE: 643

E 151ST ST & WALTON AVE

BRONX, NY 10451

Facility Id: NYP004283008

TT-Id: 740A-0087-182

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 337 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: E 151ST ST / WALTON AVE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: None Given

Incinerator:

Transporter:

Contact Name: DOMINIC BIZZARO

Source Type: Emergency

Contact Phone: 914-925-6219

Contact Info Date: 01/13/2013

Contact Name: DOMINIC BIZZARO

Source Type: Implementer

Contact Phone: 914-925-6219

Contact Info Date: 07/28/2017

Historically listed as the following USEPA RCRA Generator Size(s) as well:

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR

NONE Site reported by US EPA. No facility or hazardous waste activity reported by NYS.

Map Identification Number 265**EPA (RCRA) Name:**

EPA (RCRA) Address:

CON EDISON MANHOLE: 9515

E 151ST ST & WALTON AVE

BRONX, NY 10451

Facility Id: NYP004289401

TT-Id: 740A-0087-184

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 337 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: E 151ST ST / WALTON AVE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: None Given

Incinerator:

Transporter:

Contact Name: DOMINIC BIZZARO

Source Type: Emergency

Contact Phone: 914-925-6219

Contact Info Date: 02/14/2013

Contact Name: DOMINIC BIZZARO

Source Type: Implementer

Contact Phone: 914-925-6219

Contact Info Date: 03/14/2013

Historically listed as the following USEPA RCRA Generator Size(s) as well:

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR

NONE Site reported by US EPA. No facility or hazardous waste activity reported by NYS.

Map Identification Number 266



NYSDEC Name:

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

CON EDISON

E. 151ST. STREET & WALTON

AVENUE

CON EDISON – MANHOLE 9515

E. 151ST. STREET & WALTON

AVENUE

BRONX, NY 10454

BRONX, NY 10454

Facility Id: NYP004289674

TT-Id: 740A-0085-443

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 337 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: E 151ST ST / WALTON AVE

Revised zip code: 10451

US EPA RCRA Type: LARGE QUANTITY GENERATOR

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: None Given

Incinerator:

Transporter:

Contact Name: DENNIS HUACON

Source Type: Annual/Biennial Report update with Notification

Contact Phone: 212-460-2757

Contact Info Date: 03/27/2014

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR

D008 Lead

400

GALLONS

GENERATED

2013

Map Identification Number 267**NYSDEC Name:**

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

CON EDISON

WALTON AVE & E 151ST ST

CON EDISON

WALTON AVE & E 151ST ST

BRONX, NY 10452

BRONX, NY 10452

Facility Id: NYP004784823

TT-Id: 740A-0134-959

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 337 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: WALTON AVE / E 151ST ST

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: None Given

Incinerator:

Transporter:

Contact Name: THERESA BURKARD

Source Type: Annual/Biennial Report update with Notification

Contact Phone: 212-460-2262

Contact Info Date: 02/05/2016

Contact Name: THOMAS TEELING

Source Type: Emergency

Contact Phone: 212-460-3770

Contact Info Date: 05/20/2015

Contact Name: THOMAS TEELING

Source Type: Implementer

Contact Phone: 212-460-3770

Contact Info Date: 05/20/2015

Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	4000	POUNDS	GENERATED	2015		

Map Identification Number 268**EPA (RCRA) Name:**

EPA (RCRA) Address:

CON EDISON

591 RIVER AVE

BRONX, NY 10451

Facility Id: NYP004883043

TT-Id: 740A-0148-107

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)

Approximate distance from property: 379 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: None Given

Incinerator:

Transporter:

Contact Name: THOMAS TEELING

Source Type: Emergency

Contact Phone: 212-460-3770

Contact Info Date: 12/22/2015

Contact Name: THOMAS TEELING

Source Type: Implementer

Contact Phone: 212-460-3770

Contact Info Date: 12/22/2015

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR

NONE Site reported by US EPA. No facility or hazardous waste activity reported by NYS.

Map Identification Number 269



NYSDEC Name:

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

NYCDOS

125 E 149TH ST

NYC DEPT OF SANITATION

125 E 149TH ST

BRONX, NY 10451

BRONX, NY 10451-5343

Facility Id: NYD981487069

TT-Id: 740A-0004-011

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 396 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

This facility has been deleted from the reported data. Data reflects last reported information.

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Contact Name: JOE SCHIAVONE

Source Type: Notification

Notification date: 05/14/1986

Incinerator:

Transporter:

Contact Phone: 718-292-7531 Contact Info Date: 05/14/1986

Historically listed as the following USEPA RCRA Generator Size(s) as well:

SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR

NONE No hazardous waste activity reported by NYS up to 6/10/2019.

Map Identification Number 270**NYSDEC Name:**

NYSDEC Address:

MANHATTAN WEST 9

125 E 149TH ST

BRONX, NY 10013

Facility Id: NYP000858126

TT-Id: 740A-0004-027

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 396 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
X722	Waste oil and bottom sludge generated from res/comm fuel oil tank clean-outs	410	GALLONS	GENERATED	1986		

Map Identification Number 271**EPA (RCRA) Name:**

EPA (RCRA) Address:

NYSDEC Name:

NYSDEC Address:

CON EDISON MANHOLE: 9515

630 WALTON AVE

CON EDISON

630 WALTON AVE

BRONX, NY 10457

BRONX, NY 10451

Facility Id: NYP004359618

TT-Id: 740A-0134-863

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 396 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 10451

Special Note(s): The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: None Given

Incinerator:

Transporter:

Contact Name: GINO FRABASILE

Source Type: Emergency

Contact Phone: 914-925-6219

Contact Info Date: 09/12/2013

Contact Name: GINO FRABASILE

Source Type: Implementer

Contact Phone: 914-925-6219

Contact Info Date: 10/12/2013

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	2000	POUNDS	GENERATED	2013		

Map Identification Number 272**NYSDEC Name:**

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

CON EDISON

630 WALTON AVE

CON EDISON MANHOLE: 9515

630 WALTON AVE

BRONX, NY 10451

BRONX, NY 10457

Facility Id: NYP004359618

TT-Id: 740A-0134-862

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 396 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Special Note(s): The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Storer:

Contact Name: GINO FRABASILE

Contact Name: GINO FRABASILE

Receives offsite waste:

Treatment facility:

Source Type: Emergency

Source Type: Implementer

Notification date: None Given

Incinerator:

Transporter:

Contact Phone: 914-925-6219

Contact Phone: 914-925-6219

Contact Info Date: 09/12/2013

Contact Info Date: 10/12/2013

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	2000	POUNDS	GENERATED	2013		

Map Identification Number 273**NYSDEC Name:**

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

MOBIL OIL CORP

611 BRAND CONCOURSE

GRAND MOBIL CORP KTA

611 GRAND CONCOURSE

BRONX, NY 10451

BRONX, NY 10451-5200

Facility Id: NYD986955656

TT-Id: 740A-0004-024

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 460 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: 611 GRAND CONCOURSE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Notification date: 01/29/1992

Land Disposal: Receives offsite waste:

Incinerator:

Storer: Treatment facility:

Transporter:

Contact Name: DONNA HYMES Source Type: Implementer

Contact Phone: 610-430-8151 Contact Info Date: 07/06/2011

Contact Name: JAMIL QUWAIDER Source Type: Notification

Contact Phone: 718-665-8503 Contact Info Date: 01/29/1992

Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	7557	POUNDS	GENERATED	1994		

Map Identification Number 274**NYSDEC Name:****BP WEST COAST PRODUCTS #13990****Facility Id: NYD986987899**

NYSDEC Address:

99 E 149TH ST

BRONX, NY 10451

TT-Id: 740A-0004-015

EPA (RCRA) Name:

BP WEST COAST PRODUCTS #13990

EPA (RCRA) Address:

99 E 149TH ST

BRONX, NY 10451

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 496 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

Notification date: 12/13/1991

Land Disposal: Receives offsite waste:

Incinerator:

Storer: Treatment facility:

Transporter:

Contact Name: MARK OKAMOTO Source Type: Notification

Contact Phone: 723-743-0901 Contact Info Date: 10/12/2011

Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR

NYS DEC Manifested Waste Transactions for NYD986987899 continued ----

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
More than one waste code was reported for the following waste amount:		200	POUNDS	GENERATED	2017		
D018	BENZENE						
D001	Solid waste that exhibits the characteristic of ignitability						
D018	BENZENE	540	POUNDS	GENERATED	2011		

Map Identification Number 275



NYSDEC Name:

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

PROW BUILDING

560 EXTERIOR ST
15 MAJOR DEEGAN ROAD

PROW BUILDING

560 EXTERIOR ST

BRONX, NY 10451

BRONX, NY 10451

Facility Id: NYR000165407

TT-Id: 740A-0065-576

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 532 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: LARGE QUANTITY GENERATOR

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: 06/09/2009

Incinerator:

Transporter:

Contact Name: ANA BLUMENAU

Source Type: Notification

Contact Phone: 212-801-1081 Contact Info Date: 06/09/2009

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	1150	POUNDS	GENERATED	2009		

Map Identification Number 276**NYSDEC Name:**

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

CON EDISON

GERARD AVE & E 151 ST

CON EDISON MANHOLE: 4520

GERARD AVE & E 151ST ST SW COR

BRONX, NY

BRONX, NY 10451

Facility Id: NYP004261830

TT-Id: 740A-0081-633

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 537 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: GERARD AVE / E 151ST ST

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal: Receives offsite waste:

Storer: Treatment facility:

Contact Name: CHRISTOPHER BLAICH

Source Type: Emergency

Contact Name: CHRISTOPHER BLAICH

Source Type: Implementer

Notification date: None Given

Incinerator:

Transporter:

Contact Phone: 914-925-6219

Contact Info Date: 08/08/2012

Contact Phone: 914-925-6219

Contact Info Date: 07/28/2017

Historically listed as the following USEPA RCRA Generator Size(s) as well:

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	1000	POUNDS	GENERATED	2012		

Map Identification Number 277**NYSDEC Name:**

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

NYC DOT

WALTON AVE

NYCDOT BRIDGE BIN 2241410

WALTON AVE BRIDGE OVER

METRO NORTH

BRONX, NY

BRONX, NY 10451

Facility Id: NYR000100131

TT-Id: 740A-0058-854

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 548 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: WALTON AVE BRIDGE OVER METRO NORTH

Revised zip code: 10451

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal: Receives offsite waste:

Storer: Treatment facility:

Contact Name: ALEX BEZCHASTNOV

Source Type: Implementer

Contact Name: ALEX BEZCHASTNOV

Source Type: Notification

Notification date: 08/27/2001

Incinerator:

Transporter:

Contact Phone: 212-788-2091

Contact Info Date: 01/01/2007

Contact Phone: 212-788-2091

Contact Info Date: 08/27/2001

Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	100	POUNDS	GENERATED	2002		

Map Identification Number 278



NYSDEC Name:

NYSDEC Address:

CONSOLIDATED EDISON

EAST 150TH GRAND CONCOURSE

MH 4154

CON EDISON VAULT 4154

EPA (RCRA) Name:

EPA (RCRA) Address:

E 150TH ST & GRAND CONCOURSE

BRONX, NY

Facility Id: NYP004225843

TT-Id: 740A-0077-345

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 557 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: E 150TH ST / GRAND CONCOURSE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: None Given

Incinerator:

Transporter:

Contact Name: CHRISTOPHER BLAICH

Source Type: Emergency

Contact Phone: 914-925-6219

Contact Info Date: 01/28/2011

Contact Name: CHRISTOPHER BLAICH

Source Type: Implementer

Contact Phone: 914-925-6219

Contact Info Date: 02/27/2011

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
More than one waste code was reported for the following waste amount:		150	KILOGRAMS	GENERATED	2011		
D008	Lead						
B007	Other PCB Wastes including contaminated soil, solids, sludges, clothing, etc.						

Map Identification Number 279**EPA (RCRA) Name:**

EPA (RCRA) Address:

NYCDOT BRIDGE BIN 2241409GRAND CONCOURSE BRG OVER
METRO NORTH RR HUDSON LINE

BRONX, NY 10451

Facility Id: NYR000100149

TT-Id: 740A-0004-005

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 571 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: GRAND CONCOURSE OVER

Revised zip code: NO CHANGE

US EPA RCRA Type: SMALL QUANTITY GENERATOR

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: 08/27/2001

Incinerator:

Transporter:

Contact Name: ALEX BEZCHASTNOV

Source Type: Implementer

Contact Phone: 212-788-2091

Contact Info Date: 08/05/2007

Contact Name: ALEX BEZCHASTNOV

Source Type: Notification

Contact Phone: 212-788-2091

Contact Info Date: 08/06/2007

Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR

NONE Site reported by US EPA. No facility or hazardous waste activity reported by NYS.

Map Identification Number 280**EPA (RCRA) Name:**

EPA (RCRA) Address:

MTA NYCT - JEROME LINE 4 TUNNEL TRACK 1GRAND CONCOURSE BLVD BETWEEN
E 151ST & E 153RD STS

BRONX, NY 10456

Facility Id: NYR000150847

TT-Id: 740A-0063-145

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 571 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: GRAND CONCOURSE BLVD

Revised zip code: 10451

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: 08/17/2007

Incinerator:

Transporter:

Contact Name: LUMINITA MARINESCU

Source Type: Implementer

Contact Phone: 646-252-3506

Contact Info Date: 05/10/2016

Contact Name: LUMINITA MARINESCU

Source Type: Notification

Contact Phone: 646-252-3506

Contact Info Date: 08/17/2007

Historically listed as the following USEPA RCRA Generator Size(s) as well:

SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR

NONE Site reported by US EPA. No facility or hazardous waste activity reported by NYS.

Map Identification Number 281



NYSDEC Name:

NYSDEC Address:

CONSOLIDATED EDISON

E 149 ST & GERARD AVE

BRONX, NY

Facility Id: NYP004221099

TT-Id: 740A-0075-685

EPA (RCRA) Name:

CON EDISON MANHOLE 4506

EPA (RCRA) Address:

E 149TH ST & GERARD AVE

BRONX, NY 10451

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 571 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: E 149TH ST / GERARD AVE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: None Given

Incinerator:

Transporter:

Contact Name: DOMINIC BIZZARO

Source Type: Emergency

Contact Phone: 914-925-6219

Contact Info Date: 12/03/2010

Contact Name: DOMINIC BIZZARO

Source Type: Implementer

Contact Phone: 914-925-6219

Contact Info Date: 01/02/2011

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	300	POUNDS	GENERATED	2010		

Map Identification Number 282**NYSDEC Name:**

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

BJS WHOLESALE CLUB BJ0176

610 EXTERIOR ST

BJS WHOLESALE CLUB #176

610 EXTERIOR ST

BRONX, NY 10451

BRONX, NY 10451

Facility Id: NYR000164954

TT-Id: 740A-0065-607

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)

Approximate distance from property: 577 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: 05/06/2009

Incinerator:

Transporter:

Contact Name: ALEK SHAPIRO

Source Type: Notification

Contact Phone: 718-292-5410 Contact Info Date: 12/26/2012

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D002	Solid waste that exhibits the characteristic of corrosivity	18	POUNDS	GENERATED	2017	38	2010
P075	Nicotine, & salts	2	POUNDS	GENERATED	2017		
More than one waste code was reported for the following waste amount:		155	POUNDS	GENERATED	2017		
D001	Solid waste that exhibits the characteristic of ignitability						
D005	Barium						
D007	Chromium						
D010	Selenium						
D011	Silver						
D001	Solid waste that exhibits the characteristic of ignitability	4	POUNDS	GENERATED	2015		
More than one waste code was reported for the following waste amount:		59	POUNDS	GENERATED	2014		
U279	Carbaryl (OR) 1-Naphthalenol, methylcarbamate						
D004	Arsenic						
D005	Barium						
D007	Chromium						
D010	Selenium						
D016	2,4-D, (2,4-Dichlorophenoxyacetic acid).						
More than one waste code was reported for the following waste amount:		8	POUNDS	GENERATED	2013		
U002	2-Propanone (I)						

NYS DEC Manifested Waste Transactions for NYR000164954 continued ---- see previous page

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
U112	Acetic acid ethyl ester (l)						
U154	Methanol (l)						
U220	Toluene						
D018	BENZENE						
D001	Solid waste that exhibits the characteristic of ignitability						
D009	Mercury	3	POUNDS	GENERATED	2010		

Map Identification Number 283**NYSDEC Name:**

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

AMOCO SERVICE STATION

557 GRAND CONCOURSE

AMOCO SERVICE STATION

557 GRAND CONCOURSE

BRONX, NY 10451

BRONX, NY 10451

Facility Id: NY0001492875

TT-Id: 740A-0004-006

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 581 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Contact Name: CARY WOLF

Source Type: Implementer

Contact Name: CARY WOLF

Source Type: Notification

Notification date: 11/20/1997

Incinerator:

Transporter:

Contact Phone: 516-997-9300

Contact Info Date: 01/01/2007

Contact Phone: 516-997-9300

Contact Info Date: 11/20/1997

Historically listed as the following USEPA RCRA Generator Size(s) as well:

SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	250	POUNDS	GENERATED	1998		

Map Identification Number 284**EPA (RCRA) Name:**

EPA (RCRA) Address:

557 GRAND CONCOURSE

557 GRAND CONCOURSE

NEW YORK, NY 10451

Facility Id: NYU005000450

TT-Id: 740A-0004-028

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 581 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: 557 GRAND CONCOURSE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: 03/11/1996

Incinerator:

Transporter:

Contact Name: JOSE PEREZ

Source Type: Implementer

Contact Phone: 718-402-5605

Contact Info Date: 01/01/2007

Contact Name: JOSE PEREZ

Source Type: Notification

Contact Phone: 718-402-5605

Contact Info Date: 03/11/1996

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION

WASTE AMOUNT

WASTE UNITS

TRANSACTION TYPE

YEAR

HISTORIC MAXIMUM AMOUNT	YEAR

NONE Site reported by US EPA. No facility or hazardous waste activity reported by NYS.

Map Identification Number 285**NYSDEC Name:**

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

NYC BRONX HOUSE OF DETENTION FOR MEN

653 RIVER AVENUE

NYCDC - BRONX DETENTION FOR MEN

653 RIVER AVE

BRONX, NY 10451

BRONX, NY 10458

Facility Id: NYD981487747

TT-Id: 740A-0001-778

MAP LOCATION INFORMATION

Site location mapped by:

Approximate distance from property: 590 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: 05/19/1999

Incinerator:

Transporter:

Contact Name: ALVERO TERRY

Source Type: Implementer

Contact Phone: 718-391-1095

Contact Info Date: 01/01/2007

Contact Name: ALVERO TERRY

Source Type: Notification

Contact Phone: 718-391-1095

Contact Info Date: 05/19/1999

Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR

SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	80	GALLONS	GENERATED	1997		
F003	Spent non-halogenated solvents	50	GALLONS	GENERATED	1997		

Map Identification Number 286**NYSDEC Name:**

NYSDEC Address:

CON EDISON

161 E 150 ST F/O

BRONX, NY 10451

Facility Id: NYP004657730

TT-Id: 740A-0115-509

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (5)

Approximate distance from property: 599 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: 161 E 150TH ST

Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	3000	POUNDS	GENERATED	2014		

Map Identification Number 287**NYSDEC Name:**

NYSDEC Address:

CON EDISON

EAST 149 ST & RIVERA AVE

BRONX, NY 10452

Facility Id: NYP004585691

TT-Id: 740A-0123-993

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 637 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: E 149TH ST / RIVER AVE

Revised zip code: 10451

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	5000	POUNDS	GENERATED	2014		

Map Identification Number 288



NYSDEC Name:

NYSDEC Address:

CON EDISON

W/S E 149 ST 100 N/O E RIVER ST
MH26142

BRONX, NY 10474

Facility Id: NYP004715868

TT-Id: 740A-0134-247

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 637 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: E 149TH ST / RIVER AVE

Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	100	POUNDS	GENERATED	2015		

Map Identification Number 289



NYSDEC Name:

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

CONSOLIDATED EDISON

MH3895-150TH ST & EXTERIOR ST

CON EDISON - MH 3895

EXTERIOR ST. & E. 15TH ST. EXT

BRONX, NY

NEW YORK, NY 10003

Facility Id: NYP004074407

TT-Id: 740A-0003-763

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 638 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: E 150TH ST / EXTERIOR ST

Revised zip code: 10401

Special Note(s): The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Notification date: None Given

Land Disposal: Receives offsite waste:

Incinerator:

Storer: Treatment facility:

Transporter:

Contact Name: ANTHONY DRUMMINGS Source Type: Implementer

Contact Phone: 212-460-3770

Contact Info Date: 06/02/2002

Contact Name: ANTHONY DRUMMINGS Source Type: Annual/Biennial Report

Contact Phone: 212-460-3770

Contact Info Date: 05/31/2002

Historically listed as the following USEPA RCRA Generator Size(s) as well:

LARGE QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	1013	GALLONS	GENERATED	2001		
D008	Lead	2	CUBIC YDS	GENERATED	2001		

Map Identification Number 290**NYSDEC Name:**

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

CONSOLIDATED EDISON

E 150TH ST & EXTERIOR ST

CON EDISON

E 150 ST & EXTERIOR ST

BRONX, NY

BRONX, NY 10459

Facility Id: NYP004146965

TT-Id: 740A-0063-218

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 638 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: E 150TH ST / EXTERIOR ST

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Notification date: None Given

Land Disposal: Receives offsite waste:

Incinerator:

Storer: Treatment facility:

Transporter:

Contact Name: STEVEN MARTIS Source Type: Emergency

Contact Phone: 212-580-8383

Contact Info Date: 01/09/2007

Contact Name: STEVEN MARTIS Source Type: Implementer

Contact Phone: 212-580-8383

Contact Info Date: 01/11/2007

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D018	BENZENE	520	GALLONS	GENERATED	2006		
D018	BENZENE	50	POUNDS	GENERATED	2006		

Map Identification Number 291**NYSDEC Name:**

NYSDEC Address:

CON EDISONCROMWELL AVE E/S EXTERIOR ST
MH 27848

BRONX, NY 10451

Facility Id: NYP004294948

TT-Id: 740A-0086-287

EPA (RCRA) Name:

EPA (RCRA) Address:

CON EDISON MANHOLE: 27848
CROMWELL AVE N OF 151ST ST

BRONX, NY 10451

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 638 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: CROMWELL AVE / EXTERIOR ST

Revised zip code: NO CHANGE

Special Note(s): The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Notification date: None Given

Land Disposal:

Receives offsite waste:

Incinerator:

Storer:

Treatment facility:

Transporter:

Contact Name: GINO FRABASILE

Source Type: Emergency

Contact Phone: 914-925-6219

Contact Info Date: 03/20/2013

Contact Name: GINO FRABASILE

Source Type: Implementer

Contact Phone: 914-925-6219

Contact Info Date: 04/20/2013

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	1000	POUNDS	GENERATED	2013		

Map Identification Number 292**NYSDEC Name:**

NYSDEC Address:

CON EDISON - MANHOLE 23377

EXTERIOR ST & E 150TH ST INT

BRONX, NY 10451

Facility Id: NYP005047489

TT-Id: 740A-0154-054

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 638 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: EXTERIOR ST / E 150TH ST

Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
NONE	No hazardous waste activity reported by NYS up to 6/10/2019.						



NO CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS



NO HISTORIC UTILITY SITES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS



NO HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS



NO TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS



NO WASTEWATER DISCHARGES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

**AIR DISCHARGE FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS**

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

Map Identification Number 293**P.O. GARRAGE**

580 GERARD AVE.

EPA (FINDS) Name: P.O. GARRAGE
EPA (FINDS) Address: 580 GERARD AVE.

Facility Id: 3600500116**State-county CDS Id: 3600500116**

BRONX, NY 10451

State-county NED id:
TT-ID: 900A-0000-735

BRONX 10451

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

CDS-ID: 00116 NED-ID: None Given
Plant Phone #1: None Given Plant Phone #2: None Given
Operating Status: OPERATING
EPA Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
State Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
EPA Plant Compliance Status:
State Plant Compliance Status: IN COMPLIANCE – INSPECTION

EPA-ID: NYD982727885

FINDS-ID: NYD982727885

AIR PROGRAM INFORMATION

Regulatory Air Program: SIP SOURCE

Program Status: OPERATING

POLLUTANT INFORMATION

Pollutant: VOLATILE ORGANIC COMPOUNDS

State Pollutant Compliance for this pollutant: IN COMPLIANCE – INSPECTION

Map Identification Number 294**MOBIL**

611 GRAND CON.

EPA (FINDS) Name: MOBIL
EPA (FINDS) Address: 611 GRAND CON.

Facility Id: 3600500093**State-county CDS Id: 3600500093**

BRONX, NY 10451

State-county NED id:
TT-ID: 900A-0000-745

BRONX 10451

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 466 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: 611 GRAND CONCOURSE

Revised zip code: NO CHANGE

CDS-ID: 00093 NED-ID: None Given
Plant Phone #1: None Given Plant Phone #2: None Given
Operating Status: OPERATING
EPA Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
State Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
EPA Plant Compliance Status:
State Plant Compliance Status: IN COMPLIANCE – INSPECTION

EPA-ID: NYD986955656

FINDS-ID: NYD986955656

AIR PROGRAM INFORMATION

Regulatory Air Program: SIP SOURCE

Program Status: OPERATING

POLLUTANT INFORMATION

Pollutant: VOLATILE ORGANIC COMPOUNDS

State Pollutant Compliance for this pollutant: IN COMPLIANCE – INSPECTION

Map Identification Number 295

MOBIL



99 E. 149TH ST.

EPA (FINDS) Name: MOBIL

EPA (FINDS) Address: 99 E. 149TH ST.

BRONX, NY 10451

BRONX 10451

Facility Id: 3600500294

State-county CDS Id: 3600500294

State-county NED id:

TT-ID: 900A-0000-742

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 473 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

CDS-ID: 00294 NED-ID: None Given
Plant Phone #1: None Given Plant Phone #2: None Given
Operating Status: OPERATING
EPA Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
State Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
EPA Plant Compliance Status:
State Plant Compliance Status: IN COMPLIANCE – INSPECTION

EPA-ID: NYD986987899

FINDS-ID: NYD986987899

AIR PROGRAM INFORMATION

Regulatory Air Program: SIP SOURCE

Program Status: OPERATING

POLLUTANT INFORMATION

Pollutant: VOLATILE ORGANIC COMPOUNDS

State Pollutant Compliance for this pollutant: IN COMPLIANCE – INSPECTION

Map Identification Number 296**AMOCO**

557 GRAND CONCOURSE

EPA (FINDS) Name: AMOCO

EPA (FINDS) Address: 557 GRAND CONCOURSE

BRONX, NY 10451

BRONX 10451

Facility Id: 3600500235**State-county CDS Id: 3600500235**

State-county NED id:

TT-ID: 900A-0000-741

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 578 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

CDS-ID: 00235 NED-ID: None Given
Plant Phone #1: None Given Plant Phone #2: None Given
Operating Status: OPERATING
EPA Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
State Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
EPA Plant Compliance Status:
State Plant Compliance Status: IN COMPLIANCE - INSPECTION

EPA-ID: NY0001492875

FINDS-ID: NY0001492875

AIR PROGRAM INFORMATION

Regulatory Air Program: SIP SOURCE

Program Status: OPERATING

POLLUTANT INFORMATION

Pollutant: VOLATILE ORGANIC COMPOUNDS

State Pollutant Compliance for this pollutant: IN COMPLIANCE - INSPECTION

Map Identification Number 297**NYS EMERGENCY ELECTRICAL PLANT**

653 RIVER AVE

BRONX, NY 10451

Facility Id: 3600500300**State-county CDS Id: 3600500300**

State-county NED id:

TT-ID: 900A-0000-234

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING - LARGE SITE

Approximate distance from property: 594 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

CDS-ID: 00300 NED-ID: None Given
Plant Phone #1: None Given Plant Phone #2: None Given
Operating Status: OPERATING
EPA Classification:
State Classification: CLASS IS UNKNOWN
EPA Plant Compliance Status:
State Plant Compliance Status: UNKNOWN COMPLIANCE STATUS

EPA-ID: None Given

FINDS-ID: None Given

AIR PROGRAM INFORMATION

Regulatory Air Program: SIP SOURCE

Program Status: OPERATING

POLLUTANT INFORMATION

Pollutant: TOTAL PARTICULATE MATTER

State Pollutant Compliance for this pollutant: UNKNOWN COMPLIANCE STATUS

**CIVIL & ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS**

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

Map Identification Number 298**N Y C DEPT OF SANITATION**

125 E 149TH ST

BRONX, NY 10451

Facility Id: NYD981487069

TT-Id: 920A-0000-076

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 368 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

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CIVIL ENFORCEMENT DOCKET CASE INFORMATION

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DOCKET CASE #	COURT DOCKET NUMBER	DATE FILED	DATE CONCLUDED	JUDICIAL DISTRICT	CASE NAME
02-1991-0160	93-436	01-22-1993	04-22-1993	SDNY	NYC, REFUELING FACILITIES

DEFENDANT NAME(S): NEW YORK CITY

LAW(S) VIOLATED

Clean Air Act – Section 110

DISPOSITION OF CASE

Consent instrument with penalty

FEDERAL PENALTY ASSESSED

200000

COST RECOVERY AWARDED

TYPE OF VIOLATION(S)

National Emission Standard for Hazardous Air Pollutant

Air Emissions Not Otherwise Specified

State Implementation Plan

TYPE OF POLLUTANT(S)

FUEL VAPOR

Volatile organic compound

Map Identification Number 299**AMOCO**

557 GRAND CONCOURSE

BRONX, NY 10451

Facility Id: NY0001492875

TT-Id: 920A-0000-057

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (1)

Approximate distance from property: 576 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

=====

CIVIL ENFORCEMENT DOCKET CASE INFORMATION

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DOCKET CASE #	COURT DOCKET NUMBER	DATE FILED	DATE CONCLUDED	JUDICIAL DISTRICT	CASE NAME
02-1997-0297	CV-98-7406	12-02-1998	--	EDNY	ROUTE 109 SERVICE STATIONS INC

DEFENDANT NAME(S): 1579 ATLANTIC AVENUE CORP
3072 CROPSEY AVENUE CORP
633 NEW YORK AVENUE CORPORATION
BILL WOLF PETROLEUM CORP
BROADWAY-129 STREET GASOLINE CORP
BRUCKNER-BROOK GASOLINE CORPORATION
INTREPID MAINTENANCE CORP
ROUTE 109 SERVICE STATION CORPORATION
STORAGE MAINTENANCE CORP
WILLIAMSBRIDGE ROAD REALTY CORP
WOLF, CARY

LAW(S) VIOLATED

Resource Conservation & Recovery Act - Section LUST

DISPOSITION OF CASE

FEDERAL PENALTY ASSESSED COST RECOVERY AWARDED

TYPE OF VIOLATION(S)

UST Requirements, Other Than LDAR

Other

TYPE OF POLLUTANT(S)

Type of pollutant(s) not listed

**NYC ENVIRONMENTAL QUALITY REVIEW REQUIREMENTS – "E" DESIGNATION SITES IDENTIFIED WITHIN 250 FT SEARCH RADIUS**

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

Map Identification Number 300**BLOCK: 2353 LOT: 1**
580 GERARD AVENUE**TT-Id: 820A-0008-787****MAP LOCATION INFORMATION**

Site location mapped by: PARCEL MAPPING (3)

Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION

Revised street: No Change

Revised zip code: No Change

BBL #	E No.	CEQR No.	ULURP No.	NYC Zoning Maps	Effective Date	Lot Remediation Date	Description
2-02353-0001	E-292	11DCP143X	130064ZMX 130065ZRX	6a	05/22/2013		Hazardous Materials Phase I and Phase II Testing Protocol Window Wall Attenuation & Alternate Ventilation

U.S. EPA EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS) SPILLS
AT THE LOCATION OR POTENTIALLY AT THE LOCATION OF
580 Gerard Avenue
Bronx, NY

* Any ERNS Spills listed below are NOT mapped in this report *

POTENTIALLY ONSITE ERNS:

Spill Number (ID): 649330

Spill Date: 10/26/1999

Location: GERARD AVE AND EAST 150TH STREET

Spill City: NEW YORK NY

Material Spilled	Quantity Spilled	Units	Pounds	Quantity Released in Water	Units	Casno
OIL, MISC: TRANSFORMER	130.00	GAL	962.00	130.00	GAL	80741174
POLYCHLORINATED BIPHENYLS	0.00	UNK	0.00	0.00	UNK	84208466

Potentially Responsible Party (Discharger): CON EDISON

Discharger Address: 4 IRVING PLACE

NEW YORK

NY 10003

Dun and Bradstreet Number:

Organization Type: PUBLIC UTILITY

Medium(s) Affected:

Air: F Land: F Water: T Groundwater: F Contained within Fixed Facility: F Other: F

Waterway Affected: SEWER > UNKNOWN BY CALLER

Damages Incurred: F Estimated Cost of Property Damage: \$0.00

Cause(s):

Transportation Accident: F Equipment Failure: T

Operator Error: F Natural Phenomenon: F

Dumping: F Other Cause: F

Unknown: F

Cause of the incident:

Source of Release: PLANT

Type of Transportation Involved: FIXED FACILITY

Action: PCB CONCENTRATION: 20 PPM / THE MATERIAL ENTERED A SEWER / A CREW IS ON SITE CONDUCTING THE CLEAN UP

Description: UNDERGROUND VAULT TRANSFORMER UNDERGROUND VAULT TRANSFORMER / THE MATERIAL SPILLED DUE TO A LEAK IN THE TRANSFORMER

Miscellaneous:

Unmappable facilities for 'Bronx' County

Solid Waste Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
03C01	BRONX FRONTIER COMPOSTING			UNKNOWN
03D05	SOUTH BRONX MARINE DEMO			UNKNOWN
03E01	OBRIEN ENERGY METANE REC			UNKNOWN
03T03				UNKNOWN
03T04	REALTY TRS. STA.			UNKNOWN
03T06	LEE-BIN T.S.			UNKNOWN
03T10	A.L.A LAND DEVELOP TRS.ST			UNKNOWN
03T11	BEM CONTRACTING TRANS STA			UNKNOWN
03T30	CRESTWOOD CARTING CORP.			UNKNOWN
03T35	UNIVERSAL DEMO RECYCLING			UNKNOWN
03T56	FIVE AWAY CORP.			UNKNOWN
03V40	ECCO-SUBURBAN CARTING			UNKNOWN
03W78	FELIX RECYCLING FILL MATE			UNKNOWN
		141ST STREET	BRONX	UNKNOWN
		BOTTNER AVE.	BRONX	UNKNOWN
		21B GARAGE	BRONX	UNKNOWN
		168TH & RANDALLS AVE.	BRONX	UNKNOWN
		FRANZ SIEGEL PARK	BRONX	10451
		BRONX TERMINAL MARKET	BRONX	10451
NY00000000620	LEE-BIN T.S.	UNKNOWN	UNKNOWN	UNKNOWN
NY00000000623	CRESTWOOD CARTING CORP.	UNKNOWN	UNKNOWN	UNKNOWN
NY00000000625	UNIVERSAL DEMO RECYCLING	UNKNOWN	UNKNOWN	UNKNOWN
NY00000000626	AFC CARTING	UNKNOWN	UNKNOWN	UNKNOWN

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
1804303	D LINE RR TRACKS SOUTH OF BEDFORD STATION	TRACK C-2 (MM 1610+70 & 116-10)	BRONX	UNKNOWN

Hazardous Spills - MISC. SPILL CAUSES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
1910569	CON ED EXCAVATION	156TH ST	BRONX	UNKNOWN

Hazardous Spills - TANK FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0705989	BRONX TERMINAL MARKET	UNDER DEEGAN EXP	BRONX	UNKNOWN
0610526	BASEMENT TANK ROOM	EASTERN BLVD DRAW BRIDGE	BRONX	UNKNOWN
0003047	PARKING LOT	AUSTIN RD/DYER AVE	BRONX	UNKNOWN
8605668	E 153 ST. MANHATTAN/ RUPT	E 153 ST.	NEW YORK CITY	UNKNOWN

Hazardous Spills - TANK TEST FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9500889	1419 MORNS AVENUE	1419 MORNS AVENUE	BRONX	UNKNOWN
8809318	CLOSED-LACKOF RECENT INFO	(NO STREET INFO)	BRONX	UNKNOWN

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8606271	RAW SEWAGE ITEM #932			UNKNOWN
9913978	BRONX EXPRESSWAY	SERVICE RD	BRONX	UNKNOWN
9913861	FM 233RD ST SOUTH TO	149TH ST ALONG RR TRACKS	BRONX	UNKNOWN
9906166	HARLEM RIVER	YONKERS BORDER	BRONX	UNKNOWN
9905027	MANHOLE 138 ON BAINBRIDGE	AVE 510 FT OF N CORNER	BRONX	UNKNOWN
9812912	SERVICE BOX 5550	ELMONT	BRONX	UNKNOWN
9807973	VAULT 2959	CONCOURSE VILLAGE EAST	BRONX	10451

9807971	MANHOLE 26362	CONCOUSE VILLAGE EAST	BRONX	10451
9803125	ROADWAY	E 156TH ST	BRONX	UNKNOWN
9713244	DEPT SANITAION	NEAR PLAZA MATERIALS	BRONX	UNKNOWN
9611109	CROTON AQUADUCT	CROTON AQUADUCT	BRONX	UNKNOWN
9603961	HUNTS POINT	REGULATOR	BRONX	UNKNOWN
9513119	260 GRASS AVE	260 GRASS AVE	BRONX	UNKNOWN
9506397	UNK	UNK	BRONX	UNKNOWN
9416011	APARTMENT BLDG.	USS MORRISON AVE. B4	BRONX	UNKNOWN
9415281	UNK	UNKNOWN	BRONX	UNKNOWN
9314159	IN HUDSON RIVER-HARLEM RI	IN HUDSON RIVER-HARLEM RI	BRONX	UNKNOWN
9311201	CORNER OF E 138TH ST.	CORNER OF E 138TH ST.	BRONX	UNKNOWN
9303981	1500 PARK AVENUE	1500 PARK AVENUE	BRONX	UNKNOWN
9201864	SHELTER COVE MARINA	SHELTER COVE MARINA	BRONX	UNKNOWN
8603470	FISH KILL	3 BLKS N. OF HARLEM RIVER	BRONX	UNKNOWN
8504703	NEW WINDSOR BRONX	NEW WINDSOR BRONX	BRONX	UNKNOWN
8503365	BRONX	BRONX	BRONX	UNKNOWN
8503141	BRONX	BRONX	BRONX	UNKNOWN
8100079	SPILL NUMBER 8100079	BRONX 10463	BRONX	UNKNOWN
1908910	METRO NORTH RAIL ROAD	HARLEM RIVER	BRONX	UNKNOWN
1905171	HARLEM RIVER SPUYTON DYVIL BRIDGE	102 BROOKLYN BLVD	BRONX	UNKNOWN
1812802	GAS STATION	NF MAJOR DEEGAN EXPRESS	BRONX	UNKNOWN
1811795	ROADWAY /	UNKNOWN ST	BRONX	UNKNOWN
1706042	CONCRETE PLANT PARK	STONY POINT	BRONX	UNKNOWN
1212712	OFF SHORE DRILL	SOUTH AVE	BRONX	UNKNOWN
1201433	VESSEL SUNK	9 ESTLANDE AVE	BRONX	UNKNOWN
1107765	CONED	DEEGAN SERVICE ROAD	BRONX	UNKNOWN
1009011	220721; DEEGAN SERVICE ROAD	IN THE ESTUARY	BRONX	UNKNOWN
1002792	BRONX RIVER	29 LONG STREET	BRONX	UNKNOWN
0805371	LONG ISLAND SOUND	HELLGATE SUB/179TH SUB	BRONX	UNKNOWN
0805189	TRANSMISSION FEEDER 15053	ASTORIA TUNNEL, BRONX SIDE	BRONX	UNKNOWN
0713626	TWO OZ HYDRAULIC IN HELLGATE YARD	MAJOR DEEGAN	BRONX	UNKNOWN
0707726	ON HIGHWAY	WALNUT AVE & EAST 149 STREET	BRONX	UNKNOWN
0511820	MANHOLE #9818	STADIUM AVE	BRONX	UNKNOWN
0511299	ATAR PLACE	1253 STELEY AVE	BRONX	UNKNOWN
0508362	BUILDING	MORRIS HGTS	BRONX	UNKNOWN
0410879	METRO NORTH HUDSON LINE	SOUTHEAST GRAND COURSE AN	BRONX	UNKNOWN
0408667	MANHOLE 4942	SUNSET TRAIL/EXPWY	BRONX	UNKNOWN
0407227	EAST RIVER (ROCKS/WATER)	EAST 140 ST	BRONX	UNKNOWN
0404879	MANHOLE#12	EAST 148TH ST.& HUNTS POINT	BRONX	UNKNOWN
0312348	EAST RIVER	780 CONCOURSE VILLAGE	BRONX	10451
0306543	CONCOURSE VILLAGE	EASTSIDE OF PARK AVE	BRONX	UNKNOWN
0208038	MANHOLE 183	150-151ST ST	BRONX	UNKNOWN
0201341	BEHIND VICTORY FOOD SERV.	3001 CONCOURSE VILLAGE EA	BRONX	10451
0105833	OPEN LOT FORMER METRO NO	BROOKLYN BLVD/WALNUT ST	BRONX	UNKNOWN
0103829	MANHOLE 12	NEAR HAMILTON AVE BRIDGE	BRONX	UNKNOWN
0100318	HARLEM RIVER	EAST 149TH ST	BRONX	UNKNOWN
0010154	MANHOLE 22084	OPP 371 PARK AVE	BRONX	UNKNOWN
0009192	MANHOLE #20755	GRAND CONCOURSE	BRONX	UNKNOWN
0007339	GRAND CONCOURSE	THERIOT AVE/ASTORIA AVE	BRONX	UNKNOWN
0004934	VAULT 2052	MISC.	BRONX/QUEENS/MANHATTAN	UNKNOWN
0209904	VARIOUS DEP -BWSO SITES	HARLEM RIVER	MANHATTAN	UNKNOWN
9412487	HARLEM RIVER	1040 E 149TH ST	MANHATTAN	UNKNOWN
9402725	1040 E 149TH ST	C 150TH STREET	MANHATTAN	10039
9304735	C 150TH STREET	UNKNOWN	MANHATTAN	UNKNOWN
9006769	RESTAURANT/UNK ADDRESS	HARLEM RIVER DR N-BOUND	MANHATTAN	UNKNOWN
8602036	MORE OIL COMES TO HARLEM	MANHATTAN	MANHATTAN	UNKNOWN
8504758	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
8503796	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
8503779	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
8503506	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN

8503301	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
8503107	MANHATTAN	MANHATTAN	MANHATTAN	UNKNOWN
1009058	221195; W 142 ST	W 142 ST	MANHATTAN	UNKNOWN
0405457	SERVICE BOX 60707	MADISON AVE	MANHATTAN	UNKNOWN
0309002	SPILL NUMBER 0309002	168TH - 145TH ST	MANHATTAN	UNKNOWN
0302630	V8770	5111-13 5TH AVE	MANHATTAN	UNKNOWN
9209502	UNK	UNK	NEW YORK	UNKNOWN
8907255	HERTZ RENT A CAR/MANH		NEW YORK	UNKNOWN
8604519	NEW YORK	NEW YORK	NEW YORK	UNKNOWN
8504836	WATER FRONT MANHATTAN	WATER FRONT MANHATTAN	NEW YORK	UNKNOWN
0705278	CAR LEAKING GAS	91-26 143 RD STREET	NEW YORK	UNKNOWN
0605752	RESIDENTIAL PROPERTY	RIVER ROAD	NEW YORK	UNKNOWN
9100193	135 & 145TH ST/MANH	135 & 145TH STREETS	NEW YORK CITY	UNKNOWN
9003659	HUDSON RIVER/HARLEM RIVER	HUDSON RIVER/HARLEM RIVER	NEW YORK CITY	UNKNOWN
8607915	NEW YORK CITYF		NEW YORK CITY	UNKNOWN
8606984	UNKNOWN ADDRESS !	UNKNOWN	NEW YORK CITY	UNKNOWN
8603024	BRONX	BRONX	NEW YORK CITY	UNKNOWN
0402552	SPILL NUMBER 0402552	BROADWAY	NEW YORK CITY	UNKNOWN
9207036	BUOYS 22 & 24	BUOYS 22 & 24	NY	UNKNOWN
9112696	BARGE	BARGE	NYC	UNKNOWN
8601101	OIL COMES TO HARLEM	HARLEM RIVER	NYC	UNKNOWN

Hazardous Spills - MISC. SPILL CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0550313	BOULDERBROOK RD & SPRAIN RD	BOULDERBROOK RD & SPRAIN RD		UNKNOWN
9900490	SPILL NUMBER 9900490	4375 BRONX AVE	BRONX	UNKNOWN
9811600	SPILL NUMBER 9811600	3243 CHALL AVE	BRONX	UNKNOWN
9711348	BAYSIDE FUEL	1975 FREDERICK AVE	BRONX	UNKNOWN
9709352	METRO-NORTH RAILROAD	HUDSON LINE TR#4 MIL 7.5	BRONX	UNKNOWN
9614524	ROADWAY	THE MAJOR DEGAN EXPRESSWY	BRONX	10451
9512039	2934 VENTON AVE	2934 VENTON AVE	BRONX	UNKNOWN
9502949	2417 BALTIC AVENUE	2417 BALTIC AVENUE	BRONX	UNKNOWN
9416098	I-87 MAJOR DEEGAN EXPWY	1-87 MAJOR DEEGAN-BROADWA	BRONX	UNKNOWN
9414961	448 CUSLOGA AVENUE	448 CUSLOGA AVE	BRONX	UNKNOWN
9413036	504 W. 146TH ST	504 W. 146TH ST	BRONX	UNKNOWN
9412838	34 MT MORRIS PARKWAY	34 MT MORRIS PARKWAY	BRONX	UNKNOWN
9411935	1821 FAIRVIEW AVENUE	1821 FAIRVIEW AVENUE	BRONX	UNKNOWN
9409277	233 MAJOR DEGAN EXPWY	233 MAJOR DEEGAN EXPWY	BRONX	UNKNOWN
9404921	41 BENNET AVENUE	41 BENNETT AVENUE	BRONX	UNKNOWN
9402772	RIVER AVE	RIVER AVE	BRONX	UNKNOWN
9400698	1667 EAST 731 STREET	667 EAST 731 STREET	BRONX	UNKNOWN
9314217	3100 HEATHER AVE	3100 HEATHER AVE	BRONX	UNKNOWN
9312787	BET 2ND & 3RD - 46 ST.	BET 2ND & 3RD - 46ST.	BRONX	UNKNOWN
9312786	43 EAST 42TH ST.	43 EAST 42TH ST.	BRONX	UNKNOWN
9311525	I-90 S.B.	I-90 S.B.	BRONX	UNKNOWN
9212061	448 RIVERSIDE DRIVE	448 RIVERSIDE DRIVE	BRONX	UNKNOWN
9211051	SO. BRONX EXPSWY	SO. BRONX EXPSWY	BRONX	UNKNOWN
8100533	NONE RESPONSIBLE	PARKDALE HOSPITAL	BRONX	UNKNOWN
1901629	SITING TRACK	253 NYC TERMINAL MARKET	BRONX	UNKNOWN
1807710	ROADWAY	99 FIRST BRONX EXPRESS WAY NORTH	BRONX	UNKNOWN
1805053	ROADWAY	138 ST (EXPRESS WAY)	BRONX	UNKNOWN
1804929	ROADWAY	145TH STREET	BRONX	UNKNOWN
1804615	NYS TRANSIT	148 STREET	BRONX	UNKNOWN
1706399	DRUM RUN	MAJOR DEEGAN	BRONX	UNKNOWN
1705610	JUST SOUTH OF EXIT 11	MAJOR DEAGAN EXPRESSWAY JUST SOUTH OF EX	BRONX	UNKNOWN
1705274	ROADWAY	ASHLOOP AND ALDER PLACE	BRONX	UNKNOWN
1703499	FEEDER IN ASTORIA TUNNEL	31-01 ASTORIA TUNNEL	BRONX	UNKNOWN
1700008	DRUM RUN	E144 STREET AT UNDER PASS	BRONX	UNKNOWN
1508887	PAVEMENT 1215	PELHAM BUS STOP	BRONX	UNKNOWN
1508663	SB , BETWEEN EXITS 9 &8	MAJOR DEEGAN 1-87	BRONX	UNKNOWN

1504591	TOLL BOOTH	4260 MTA EXPRESSWAY	BRONX	UNKNOWN
1402901	COMMERICAL	4026 CARTEN AVE	BRONX	UNKNOWN
1400190	TRACKS ALONG RIGHT OF WAY	EAST 153RD ST/ 1/2 MI S OF YANKEE STADIU	BRONX	10451
1309975	CON ED YARD	15-60 BROOKLYN BLVD	BRONX	UNKNOWN
1307610	SIMPSON ST STATION	SIMPSON ST	BRONX	UNKNOWN
1305436	CON EDISON POLE #8	NORTHEAST CORNER OF NEID AVE	BRONX	UNKNOWN
1303569	THE WHOLE STREET	GARRISON AVE	BRONX	UNKNOWN
1209774	BRONX	ALL STREETS	BRONX	UNKNOWN
1209287	POLE 11912	EAST CHESTER RD ORYAN AVE	BRONX	UNKNOWN
1113586	TRACK 2 DIESEL SPILL TO BALLAST	8 MILE STRETCH OF RAILWAY	BRONX	UNKNOWN
1113453	ROADWAY	EAST BURNE SIDE AVE/WATTDEN AVE	BRONX	UNKNOWN
1110215	LMC CARWASH	139TH ST & GRAND CONCOURSE	BRONX	10451
1103808	IN THE STREET	DEEGAN EXPRESSWAY	BRONX	UNKNOWN
1011072	SOIL	METRO NORTH HIGH BRIDGE TRAIN DEPOT	BRONX	UNKNOWN
1004717	FORDHAM PLAZA	FORDHAM PLAZA	BRONX	UNKNOWN
1004086	SUPERMARKET	CONNER ST AND GIVAN AVE	BRONX	UNKNOWN
1001747	ON THE TRACK	TRACK #2 MILEPOST 8.4 NEAR HELLGATE	BRONX	UNKNOWN
0910845	DOT CONSTRUCTION SITE	MAJOR DEEGAN EXPRESSWAY	BRONX	UNKNOWN
0909577	BASEMENT	1340 CROSE AVE	BRONX	UNKNOWN
0906616	ASTORIA AVE AND TAYLOR AVE	ASTORIA AVE AND TAYLOR AVE	BRONX	UNKNOWN
0900411	EXTERIOR ST	EXTERIOR ST/EAST 153 ST	BRONX	10451
0813303	SERVICE BOX 2680	CROMWELL AVE	BRONX	UNKNOWN
0813302	SERVICE BOX SB2679	CROMWELL AVE	BRONX	UNKNOWN
0813301	CROMWELL AVE SERVICE BOX SB2678	CROMWELL AVE	BRONX	UNKNOWN
0811431	APT BUILDING	775 CONCOURSE VILLAGE	BRONX	UNKNOWN
0801343	TRAFFIC ACCIDENT- 30 GAL DIESEL IN MH	EXTERIOR ST / MAJOR DEEGAN XWAY	BRONX	UNKNOWN
0510030	IPO TASK FORCE	STATE 87 EXIT - I 95 HWY	BRONX	UNKNOWN
0507724	VEHICLE # 1104	E. 149TH ST.	BRONX	UNKNOWN
0504038	BUS # 6045	SEDGRICK/INDEPENDENCE AVE	BRONX	UNKNOWN
0500605	TM #541	RUPPURT /151 STREET	BRONX	10451
0408155	HARLEM RIVER	BRONX REST PIER, PIER 8	BRONX	UNKNOWN
0404351	SPILL NUMBER 0404351	MORRIS AV & SOUNDVIEW	BRONX	UNKNOWN
0302981	NYS THRUWAY	N/B - MILE MARKER 2.0	BRONX	UNKNOWN
0205766	SPILL NUMBER 0205766	149TH ST	BRONX	UNKNOWN
0108784	ROADWAY	MAJOR DEEGAN EXPRESSWAY	BRONX	UNKNOWN
0012941	SPILL NUMBER 0012941	GRAND CONCOURSE & 92ND S	BRONX	UNKNOWN
0008417	EXTERIOR ST &	MAJOR DEEGAN EXPRESSWAY	BRONX	UNKNOWN
0003714	PHELAM YARD MAIN TRACK	MILE POST E-15	BRONX	UNKNOWN
1307661	CON EDISON FEEDER LINE M51 LEAK	CON EDISON FEEDER LINE M51 LEAK	MANHATTAN	UNKNOWN
9713418	UNKNOWN	UNKNOWN	MANHATTAN	UNKNOWN
9414330	5 MORGAN CT	5 MORGAN CT	MANHATTAN	UNKNOWN
9410330	115 LAKE ROAD	115 LAKE ROAD	MANHATTAN	UNKNOWN
9402295	LOWER LEVEL EB #12	LOWER LEVER EB #12	MANHATTAN	UNKNOWN
9312441	35 GROSS STREET	35 GROSS STREET	MANHATTAN	UNKNOWN
9304809	PLANDOMD ROAD ?	PLANDOMD ROAD?	MANHATTAN	UNKNOWN
9300535	138TH ST	138TH ST	MANHATTAN	UNKNOWN
9212593	119 ZECNILYEA AVE	119 ZECNILYEA AVE	MANHATTAN	UNKNOWN
9211572	HUDSON LIFT BRIDGE	HUDSON LIFT BRIDGE	MANHATTAN	UNKNOWN
1905936	STREET	HARLEM RIVER DR SOUTHBOUND DYCKMAN AVE A	MANHATTAN	UNKNOWN
1603125	FEEDER LEAK - CON ED	HARLEM RIVER DRIVE	MANHATTAN	10039
1512391	UNKNOWN	HARLEM RIVER DRIVE SOUTH	MANHATTAN	10039
1503339	CON EDISON FEEDER LEAK	7 RIDGE HILL LANE	MANHATTAN	UNKNOWN
1211917	3094 5TH AVE	3094 5TH AVE	MANHATTAN	10037
1811526	RESIDENTIAL	3985 PARK AVE	NEW YORK	UNKNOWN
1304916	RIGHT SHOULDER 500' EXIT 13 NTHBND	MAJOR DEEGAN NORTHBND	NEW YORK	UNKNOWN
0814195	211380; EXTERIOR ST & LAND RD PROLONG	EXTERIOR ST & LAND RD PROLONG	NEW YORK	UNKNOWN
9606764	FEEDER #71	DUNWOODIE TO RAINEY	NEW YORK CITY	UNKNOWN
9007676	MAJOR DEEGAN/BX/MOBIL	MAJOR DEEGAN/BX	NEW YORK CITY	UNKNOWN
9004330	3915 OILOTT AVE/BX	3915 OILOTT AVENUE	NEW YORK CITY	UNKNOWN
9004299	137 ZEIZER PLACE/BX	137 ZEIZER PLACE	NEW YORK CITY	UNKNOWN

8904199	MAJOR DEEGAN/NORTHBOUND	MAJOR DEEGAN/NORTHBOUND	NEW YORK CITY	UNKNOWN
8707135	REGULATOR #45/W 147TH ST	REGULATOR #45/W 147TH ST	NEW YORK CITY	UNKNOWN
8705544	IND SUBWAY YARD/REGULATOR	IND SUBWAY YARD/REG. N-10	NEW YORK CITY	UNKNOWN
8605453	BELCHER SPILL INTO HARLEM	4095 5TH AVE	NEW YORK CITY	10037

Petroleum Bulk Storage Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
2-156418	MOBIL S/S 1JARDH AAMCO TRANAS	MOBIL S/S 1JARDH AAMCO TRANAS	BRONX	10400
2-605533	BRONX TERMINAL MARKET BLDG S-1	601-649 CROMWELL AVENUE	BRONX	10451
NY01614	AROL DEVELOPEMENT CORP	601 CROMWELL AVE	BRONX	10451
NY01615	AROL DEVELOPMENT CORP	604 CROMWELL AVE	BRONX	10451
NY02336	C.KENNETH IMPORTS CO.	594 CROMWELL AVE	BRONX	10451
NY02398	CARIBE FOOD PRODUCTS	590 CROMWELL AVE	BRONX	10451
NY02953	CUBA TROPICAL	588 CROMWELL AVE	BRONX	10451
NY03824	FALCON CREST FOOD DIST.	592 CROMWELL AVE	BRONX	10451
NY06646	METRO DAIRY INC	598 CROMWELL AVE	BRONX	10451
NY06654	METRO SPANISH CORP	600 CROMWELL AVE	BRONX	10451
NY07365	NY STATE DEPT OF TRANS.	705 EXTERIOR ST	BRONX	10451
NY07366	NY STATE DEPT OF TRANS.,	703 EXTERIOR ST	BRONX	10451

Hazardous Waste Generation or Transport Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYP000927160	CONSOLIDATED EDISON	W 144TH ST	BRONX	UNKNOWN
NYP000937748	BELL ATLANTIC-NY	BRGGS AVE AND E 149TH ST	BRONX	UNKNOWN
NYP000963454	VERIZON LOG 35604	141TH ST LOG 35604	BRONX	10451
NYP003662954	NYCDEP	BRONX AVE	BRONX	UNKNOWN
NYP003663960	NYCDEP	BRONXVILLE AVE	BRONX	UNKNOWN
NYP004027413	CONSOLIDATED EDISON	BRONX ST	BRONX	UNKNOWN
NYP004057592	CONSOLIDATED EDISON	MH26587	BRONX	UNKNOWN
NYP004106179	CONSOLIDATED EDISON	MH220-S FULTON & ITHICA	BRONX	UNKNOWN
NYP004111357	CONSOLIDATED EDISON	COURTLAND AVE & 133 ST	BRONX	UNKNOWN
NYP004114195	CONSOLIDATED EDISON	SB7304-153RD METROSEAL CORTLAN	BRONX	UNKNOWN
NYP004114260	CON EDISON - MH 18497	N/N/C 149TH ST. AND PROSPECT	BRONX	10451
NYP004120325	CONSOLIDATED EDISON	W MAJ DEEGAN SER RD MH29085	BRONX	UNKNOWN
NYP004128936	CONSOLIDATED EDISON	GATEHOUSE EDGEWATER PK	BRONX	UNKNOWN
NYP004129938	CONSOLIDATED EDISON	GATEHOUSE EDGEWATER PK MEAGER	BRONX	UNKNOWN
NYP004132551	CON EDISON - VAULT 6791	141 STREET	BRONX	10451
NYP004136115	CONSOLIDATED EDISON	?	BRONX	UNKNOWN
NYP004144681	CONSOLIDATED EDISON	MH11838	BRONX	UNKNOWN
NYP004149837	CONSOLIDATED EDISON	CHORDCEE ROAD	BRONX	UNKNOWN
NYP004163432	CONSOLIDATED EDISON	EAST 132ND STREET & GRAND CONCOURSE	BRONX	UNKNOWN
NYP004199295	CONSOLIDATED EDISON	OLD YANKEE STADIUM - E 67 ST 7 RIVER RD	BRONX	10451
NYP004788667	CON EDISON	3001 CROSBY AVE	BRONX	UNKNOWN
NYP004811812	CON EDISON	GRAND CONCOURSE & COURTLANDT AVE	BRONX	10451
NYP010000230	NYCDEP	MAJOR DEEGAN & WEST	BRONX	UNKNOWN
NYP010001816	NEW YORK CITY DEP	EAST 148TH AND EAST 149TH ST	BRONX	UNKNOWN
NYR000005645	NYC DEPT OF PARKS LEEHER MCGOVERN BOUIS	LEEHER MCGOVERN BOUIS	BRONX	UNKNOWN
NYR000100156	NYCDOT	GRAND CONCOURSE	BRONX	UNKNOWN
NYR000107912	NYCDOT BRIDGES ROADWAYS DIV	153RD & 155TH BRUCKNER BLVD	BRONX	UNKNOWN
NYR000125518	NYCTA	36 BRONX AVE & WESTCHESTER AVE	BRONX	UNKNOWN
NYR000155093	NYSDOT BIN 124009A	I-87 SB OVER MACOMBS DAM PK	BRONX	10451
NYR000155101	NYSDOT BIN 124009B	I-87 SB AT MACOMBS DAM PARK	BRONX	10451
NYP000852590	NYCTA	25 CANAL ST	BROOKLYN	UNKNOWN
NY0000010363	NYCDOT	N/S	N/S	UNKNOWN
NYP004039327	CONSOLIDATED EDISON	N/S	NEW YORK	UNKNO
NYP004078721	CONSOLIDATED EDISON	200 FOREST AVE	NEW YORK	UNKNOWN
NYP004120366	CONSOLIDATED EDISON	MH132	NEW YORK	UNKNOWN
NYP004240016	CONED	VAULT 1772	NEW YORK	UNKNOWN
NYP004441465	CON EDISON	S/E/C E 41ST PROPECT PL	NEW YORK	UNKNOWN
NYP004586111	CON EDISON	FO 86 WILLET ST	NEW YORK	UNKNOWN

NYP004000592	CONSOLIDATED EDISON	V3150-150 G CONCOURSE	QUEENS	UNKNOWN
NYP004002945	CONSOLIDATED EDISON	TM0630 - MELROSE	QUEENS	10451
NYP004409074	CON EDISON	255-22 TERRACE PL	QUEENS	UNKNOWN

Air Releases

FACILITY ID	FACILITY NAME		STREET	CITY	ZIP
3600500005	COLONIAL SAND & STONE		151ST STREET	BRONX	UNKNOWN
3600500070	CE-BRONX RIVER CHAN		CHANNEL IMPROVEMENT	BRONX	10451
3600500071	CE-HARLEM RIVER CHAN		CHANNEL IMPROVEMENT	BRONX	10451
3600500368	CROMWELL MAINTENANCE		201 BRONX TERMINAL	BRONX	10451
3600500369	AROL DEVELOPMENT		201 BRONX TERMINAL	BRONX	10451
3600580079	CROMWELL MAINTENANCE		201 BRONX TERMINAL	BRONX	10451
3600580080	CROMWELL MAINTENANCE		201 BRONX TERMINAL	BRONX	10451
NY005X08L	TAPOLD REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X12G	J A D REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X40E	ANTHONY ASSOC	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
3606160150	NYS UDC COGENERATION		MOTT HAVEN ROF PROC	SOUTH BRONX	UNKNOWN

Civil & Admin. Enforcement Docket Sites

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYD986915510	AROL DEVELOPMENT CORP	201 BRONX TERMINAL MARKET	BRONX	10451

Hazardous waste codes presented in individual Toxic Information Profiles are defined below.

B002	Petroleum oil or other liquid containing 50 ppm or greater of PCBs but less than 500 ppm PCBs. This includes oil from electrical equipment whose PCB concentration is unknown, except for circuit breakers, reclosers and cable.
B007	Other PCB Wastes including contaminated soil, solids, sludges, clothing, rags, and dredge material.
D001	Solid waste that exhibits the characteristic of ignitability, but is not listed under any other hazardous waste code.
D002	Solid waste that exhibits the characteristic of corrosivity, but is not listed under any other hazardous waste code.
D005	Barium
D006	Cadmium
D007	Chromium
D008	Lead
D009	Mercury
D018	BENZENE
D039	Tetrachloroethylene
F001	The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)
F003	The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent non-halogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and, a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (I)*
F005	The following spent non-halogenated solvents: Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (I,T)
P075	Nicotine, & salts

X722 Waste oil and bottom sludge generated from tank clean-outs from residential/commercial fuel oil tanks

Source: U. S. Environmental Protection Agency

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a digital version of the U. S. Census map or those used by local authorities using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each Toxic Site Profile, along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12

Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street

Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

or Manual Mapping

or Site Visit

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a digital version of the street or parcel map. These site locations are identified with the method used to map them.

2) Some toxic sites are located using map coordinates provided by site owners/operators or government agencies. These site locations are identified "map coordinate." Map coordinates for Toxic Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect.

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

Information Source Guide

Toxics Targeting's Environmental Reports contain government and other information compiled on 21 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. Also includes delisted NPL sites.

ASTM required.* Fannie Mae required.**

Source: U. S. Environmental Protection Agency.¹

New Facilities updated through: 11/19/2019.

Data obtained by Toxics Targeting: 11/19/2019.

Data attributes updated from: 9/09/2015.

Data obtained by Toxics Targeting: 9/09/2015.

2) **Inactive Hazardous Waste Disposal Site Registry:** New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. Also included are sites that qualify for possible inclusion on the Registry. These Registry Qualifying sites may or may not be on the Site Registry.

ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

Data attributes updated through: 1/22/2020.

Data obtained by Toxics Targeting: 1/22/2020.

New Facilities updated to: 1/22/2020.

Data obtained by Toxics Targeting: 1/22/2020.

3) **Federal & State Corrective Action Activity (CORRACTS):** New York State and Federal databases of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

ASTM required.* Fannie Mae required.**

Federal Data

Source: U. S. Environmental Protection Agency¹

Data attributes updated through: 3/01/2018.

Data obtained by Toxics Targeting: 3/07/2018.

New facilities updated through: 3/01/2018.

Data obtained by Toxics Targeting: 3/07/2018.

State Data

Source: New York State Department of Environmental Conservation²

Data attributes updated through: 1/22/2020.

Data obtained by Toxics Targeting: 1/22/2020.

New facilities updated through: 1/22/2020.

Data obtained by Toxics Targeting: 1/22/2020.

4) **CERCLIS:** Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. Includes Active and No Further Remedial Action Planned (NFRAP) sites.

ASTM required.* Fannie Mae required.**

Source: U. S. Environmental Protection Agency.¹

Data attributes updated through: 10/25/2013.

Data obtained by Toxics Targeting: 1/07/2014.

New Facilities updated through: 7/17/2017.

Data obtained by Toxics Targeting: 8/22/2017.

5) **Brownfield Programs:** NYS & NYC programs for sites that are abandoned, idled or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

ASTM required.*

(a) **NYS DEC Brownfield Programs:** Source: New York State Department of Environmental Conservation.²
includes: **Brownfield Cleanup Program (BCP), Voluntary Cleanup Program (VCP), and Environmental Restoration Program (ERP)**

Data attributes updated through: 1/22/2020.

Data obtained by Toxics Targeting: 1/22/2020.

New Facilities updated to: 1/22/2020.

Data obtained by Toxics Targeting: 1/22/2020.

(b) **NYC Voluntary Cleanup Program:** Source: NYC Office of Environmental Remediation

Data attributes updated through: 10/13/2017.

Data obtained by Toxics Targeting: 10/13/2017.

New Facilities updated to: 10/13/2017.

Data obtained by Toxics Targeting: 10/13/2017.

6) **Solid Waste Facilities:** a compilation of the following 2 databases:

(a) **NYS Solid Waste Registry:** which includes, but is not limited to, landfills, incinerators, transfer stations, recycling centers.

ASTM required.* Fannie Mae required.** Source: New York State Dept. of Environmental Conservation.²

Data updated to: 4/1/2013.

Data obtained by Toxics Targeting: 4/1/2013.

(b) **1934 Solid Waste Disposal Site in New York City:** which includes sites operated by municipal authorities circa 1934. Source: City of New York Department of Sanitation (1984). The Waste Disposal Problem in New York City: A Proposal For Action.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Division of Environmental Remediation pursuant to NYS Law and the Resource Conservation and Recovery Act (RCRA). ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.²

New facilities updated through:	06/10/2019.	New facilities obtained by Toxics Targeting:	06/15/2019.
Manifest transactions data updated to:	06/10/2019.	Manifest transactions data obtained by Toxics Targeting:	06/15/2019.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA). ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency¹

New facilities updated through:	3/01/2018.	Data obtained by Toxics Targeting:	3/07/2018.
Data attributes updated through:	3/01/2018.	Data obtained by Toxics Targeting:	3/07/2018.

8) **Spills Information Database:** Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). This database includes both *active* and *closed* spills.

ASTM required.* Fannie Mae.** Source: NYS Department of Environmental Conservation.²

New spills through:	4/07/2020	New spills data obtained by Toxics Targeting:	4/07/2020
Spill attribute data through:	4/07/2020	Spill attribute data obtained by Toxics Targeting:	4/07/2020

Active spills: paperwork not completed. Closed spills: paperwork completed.
Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) **Major Oil Storage Facilities:** NYS database of facilities licensed pursuant to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. **Tank & other data withheld by NYSDEC as of 4/1/2002.**

ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.²

Data updated through: 7/1/2016.	Data obtained by Toxics Targeting: 7/1/2016.

10) **Petroleum Bulk Storage Facilities:** a compilation of local and state databases of aboveground and underground petroleum storage tank facilities.

(a) **NYS Petroleum Bulk Storage Database:** This includes all New York State counties except Cortland, Nassau, Rockland, Suffolk, and Westchester. ASTM required.* Fannie Mae required.**

Source: NYS Department of Environmental Conservation. ²	
New facilities updated through: 7/1/2016.	Data obtained by Toxics Targeting: 7/1/2016.
Tank data updated through: 7/1/2016.	Data obtained by Toxics Targeting: 7/1/2016.

(b) New York City Fire Department Tank Data:	Data has been withheld by the NYC Fire Dept.
Source: New York City Fire Department.	Data obtained by Toxics Targeting: 2/18/1997

11) **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the NYS Department of Environmental Conservation's Division of Environmental Remediation pursuant to New York State Law. ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.²

New facilities updated through:	06/10/2019.	New facilities obtained by Toxics Targeting:	06/15/2019.
Manifest transactions data updated to:	06/10/2019.	Manifest transactions data obtained by Toxics Targeting:	06/15/2019.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA). ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency¹

New facilities updated through:	3/01/2018.	Data obtained by Toxics Targeting:	3/07/2018.
Data attributes updated through:	3/01/2018.	Data obtained by Toxics Targeting:	3/07/2018.

12) **Chemical Bulk Storage Facilities:** New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. **Tank & other data withheld by NYSDEC as of 4/1/2002.**

ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.²

Data updated through: 7/1/2016.	Data obtained by Toxics Targeting: 7/1/2016.

13) **Historic New York City Utility Facilities (1898 to 1950)**: An inventory of selected power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites identified in various historic documents, maps and annual reports of New York utility companies, including: Sanborn Fire Insurance Maps of NYC (1898-1950); Consolidated Edison Co. Annual Reports (1922-1939); Consolidated Edison Co. Map: "Boroughs of Manhattan and the Bronx Showing Distribution Mains of the New York Edison Co.," (1922); and Consolidated Edison document: "Generating and Annex Stations," (1911).

14) **Hazardous Substance Waste Disposal Site Study**: NYS database of waste disposal sites that may pose threats to public health or the environment, but could not be remediated using monies from the Hazardous Waste Remedial Fund.

Source: New York State Department of Environmental Conservation.²

Data updated to: 5/16/2000.

Data obtained by Toxics Targeting: 5/16/2000.

15) **Toxic Release Inventory (TRI)**: Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.

Source: U. S. Environmental Protection Agency.¹ / NYS Department of Environmental Conservation²

Data updated through: 3/8/2004.

Data obtained by Toxics Targeting: 3/25/2004

16) **Toxic Wastewater Discharges (Permit Compliance System)**: Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.¹

Data updated through: 6/17/2004.

Data obtained by Toxics Targeting: 7/19/2004.

17) **Air Discharge Facilities**: EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.

See Fannie Mae requirement** below.

Source: U. S. Environmental Protection Agency¹

Data updated through: 11/24/1999.

Data obtained by Toxics Targeting: 1/6/2000

18) **Civil Enforcement & Administrative Docket**: This database is the U. S. EPA's system for tracking administrative and civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**

Source: U. S. Environmental Protection Agency.¹

New Sites through: 10/14/1999.

Data updated through: 10/14/1999.

Data obtained by Toxics Targeting: 11/18/1999.

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

Source: New York City Department of Planning³

Data updated through: 3/22/2018.

Data obtained by Toxics Targeting: 4/3/2018.

20) **Emergency Response Notification System (ERNS)**: Federal database of spills compiled by the Emergency Response Notification System. On-site searches only.

ASTM required.* See Fannie Mae requirement** below.

Source: U. S. Environmental Protection Agency.¹

Data updated through: 1/31/2000.

Data obtained by Toxics Targeting: 2/15/2000

21) **Remediation Site Borders**: Remediation site borders reported by NYSDEC.

Source: New York State Department of Environmental Conservation.²

Updated through: 12/12/2019.

Data obtained by Toxics Targeting: 12/12/2019.

* American Society of Testing Materials: Standard Practice on Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-05).

** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

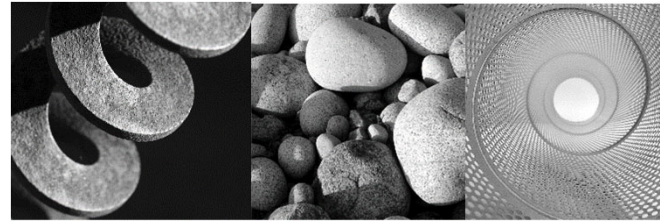
¹U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

²NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.

³New York City Department of City Planning, 22 Reade St, New York, NY 10007-1216

Appendix F

Site Photographs



580-610 Gerard Avenue
Bronx, NY



Consulting
Engineers and
Scientists

Site Photographs



1. Looking at the project site building along Gerard Avenue.



2. Looking along the south side of the building along 150th Street.



3. View of the entrance to the rear path along 150th Street.



4. Former remote fill along Gerard Avenue for the abandoned 2,500-gallon UST located in the basement.



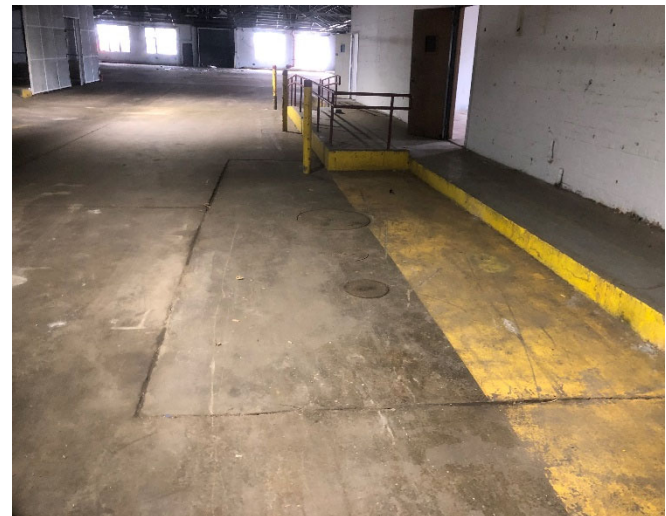
5. View of the former truck lifts located in the northern portion of the building.



6. View of the sewer connection located near the center of the building.



7. View of the empty 55-gallon drum.



8. View of the 2,500-gallon UST located in the center of the building that has been abandoned in place.



9. View of the building's interior, looking south from the northwestern corner.



10. Looking at the monitoring well located in the northwest corner of the project site.



11. View of the former hydraulic lifts located in the southeastern portion of the building.



12. View of the fire department sprinkler system.