TABLE OF CONTENTS

EXECUTIVE SUMMARY i
1.0 Introduction 1
2.0 Physical Site Description 2
2.1 General Site Conditions 2
2.2 Topography and Hydrogeology 5
2.3 Storage Tanks 5
2.3.1 Underground Storage Tanks (USTs) 5
2.3.2 Aboveground Storage Tanks (ASTs) 5
2.4 Polychlorinated Biphenyls (PCBs) and Mercury 6
2.5 Lead-Based Paint 6
2.6 Utilities 6
2.7 Waste Management and Chemical Handling 6
2.8 Radon 7
3.0 Asbestos-Containing Materials (ACM) 7
4.0 Adjacent Land Use 7
5.0 Property History and Records Review 7
5.1 Prior Ownership and Usage 7
5.1.1 Historical Land Use maps 7
5.1.2 Historical Topographic Maps and Aerial Photographs 10
5.1.3 Property Tax Files and Zoning Records 10
5.1.4 Recorded Land Title Records 10
5.1.5 Local Street Directories 10
5.2 Regulatory Review 11
5.2.1 Federal 11
5.2.2 State 12
5.2.3 Local Agency File Review 16
5.2.4 Additional Environmental Record Sources 17
6.0 User-Provided Information 18
7.0 Previous Studies 19
8.0 Limitations and Data Gaps 19
9.0 Findings 20
10.0 Recommendations 22
11.0 Signature Page 24
12.0 Qualifications 25
13.0 References 26

FIGURES

Figure 1 - Property Location
Figure 2 - Property Detail

APPENDICES

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

1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by Kingsbrook Jewish Medical Center (KJMC) to perform a Phase I Environmental Site Assessment of the Kingsbrook Jewish Medical Center campus located on the block between Schenectady Avenue, Rutland Road, East 49th Street, and Winthrop Road in Brooklyn, New York (the "Property"). The legal definition of the Property is Tax Block 4602, portions of Lots 1 and 5 and Tax Block 4603, Lot 1. At the time of the reconnaissance, the Property included: Parcel A (Block 4603, Lot 1) included an approximately 1.5-acre parking lot located east of the main campus); Parcel B (Block 4602, p/o Lots 1 and 5) included the Lefrak, Blumberg, Masin, and Leviton buildings and exterior landscaped and asphalt or concrete-paved areas; and Parcel C (Block 4602, p/o Lot 1) included the Katz, Minkin, and Briger hospital buildings, the facilities plant, a synagogue, and exterior landscaped and asphalt or concrete-paved areas. The surrounding area was mixed-use commercial/residential, with some automotive uses, including a gasoline filling station located east-adjacent to Parcel A.

The scope of services for this assessment was in conformance with ASTM Standard E1527-13 (*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice).* Any exceptions to, or deletions from, this practice are described in Section 8.0. The scope included the following:

- Observations of the Property (reconnaissance) to identify potential sources or indications of hazardous substances, including: aboveground storage tanks (ASTs); underground storage tanks (USTs); tank vents and fill ports; transformers and other items that could contain polychlorinated biphenyls (PCBs), drums or areas where hazardous materials were used, stored, or disposed; stained surfaces and soils; stressed vegetation, leaks, odors. In addition, neighboring properties were viewed, but only from public rights-of-way, to identify similar concerns.
- Readily available geological and groundwater (hydrogeological) information was evaluated to assist in determining the potential for contamination migration (including in soil, soil vapor, and/or groundwater) within, from, and onto the Property.
- The reconnaissance of the Property included observation of any readily visible suspect asbestos-containing materials (ACMs) and potential lead-based paint. However, no samples were collected or analyzed, and this reconnaissance provides neither definitive nor exhaustive information.
- A state database of county-level radon concentrations was used to determine typical indoor radon levels and compare them to United States Environmental Protection Agency (USEPA) guidelines.
- Historical fire insurance maps, topographic maps, and aerial photographs for the Property and nearby properties were reviewed to evaluate historical land uses.
- The following federal regulatory databases were reviewed to determine the regulatory status of the Site and properties within the ASTM-specified radii: National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); the Air Discharge Facilities Index (ADF) the USEPA Civil Enforcement Docket. The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.
- The following state regulatory databases were reviewed to determine the regulatory status of the Property, adjacent properties, and properties within a predetermined study area; the listings of hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA);

Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); Major Oil Storage Facilities (MOSF); Brownfield Sites; and Historic Utility Sites.

- Local agency reviews including NYC Fire Department records (obtained as part of the database search), online Buildings and Finance Departments records, and Environmental Quality Review (CEQR) E Designation Sites were conducted for the Property only.

2.0 PHYSICAL SITE DESCRIPTION

Visual assessment of the Site and adjacent areas was performed on December 23, 2013 by Neoma Chefalo and Erik Nimlos of AKRF. Mr. R. Leonard Balgobin of the Facilities and Engineering Department for KJMC, accompanied Ms. Chefalo and Mr. Nimlos and answered pertinent questions. The weather was overcast with light rain and approximately 55° F, and the visibility good. The Property was inspected for the presence of stained surfaces, storage tanks, drums, leaking pipes, transformers, suspect asbestos-containing materials (ACMs), suspect lead-containing paint, and any other evidence of hazardous material usage and storage on-site. Photographs documenting the site inspection are included in Appendix A.

2.1 General Site Conditions

The Property included eight interconnected hospital buildings, a synagogue, landscaped areas, and asphalt-paved parking lots associated with the Kingsbrook Medical Center campus. The Property comprised three parcels: Parcel A included a 1.5-acre asphalt-paved parking lot located east-adjacent to the hospital campus across East 49th Street; Parcel B included the Lefrak, Blumberg, Masin, and Leviton buildings and the exterior areas on the northwestern portion of the campus; and Parcel C included the Katz, Minkin, and Briger hospital buildings, the facilities plant, a synagogue and exterior landscaped and asphalt or concrete-paved areas on the central and southern portions of the campus. The Property buildings were constructed of masonry brick and concrete with built-up roofing materials. Interior finishes included gypsum board, plaster, and concrete walls, concrete, ceramic and vinyl floor-tiled floors, and acoustical ceiling tiles. The buildings were serviced by traction elevators, according to Site personnel. The facilities plant, located on the eastern portion of the campus, contained the central energy plant for the hospital, with three boilers used to distribute high-pressure steam via ancillary piping to the hospital buildings for heating and hot water. The boilers were fueled primarily by natural gas, with a secondary No. 6 fuel oil system used in the event of emergencies. Cooling systems for the buildings included window-mounted air conditioners, rooftop-mounted central air conditioning units, and chillers.

Parcel A (Block 4603, Lot 1)

Parcel A included a 1.5-acre asphalt-paved parking lot located east-adjacent to the hospital campus across East 49th Street. An attendant shelter with a chain-link entry gate was located on the north side of the parking lot. The majority of the parking lot was covered with vehicles. The asphalt pavement was in fair condition, with no significant cracking, potholes, or breeching noted. Several monitor wells were noted throughout the parking lot that may be associated with a previous geotechnical or environmental studies (potentially associated with a gasoline filling station currently located east-adjacent to the parking lot).

Parcel B (Block 4602, p/o Lots 1 and 5)

Parcel B included the Lefrak, Blumberg, Masin, and Leviton buildings and the exterior areas on the northwestern portion of the campus.

The Lefrak building comprised an approximately 28,000-square foot, four-story building with a basement constructed in 1929. The basement contained mechanical spaces, steam distribution piping and electrical equipment. The first floor contained administrative offices and the receiving department. The upper floors contained staff and doctors' offices, health information offices and information systems. No evidence of a material release was observed in the inspected areas.

The Blumberg building comprised an approximately 43,000-square foot, six-story building with a basement constructed in 1934. The basement contained mechanical shops for the Engineering and Facilities department. The shops were used for storage of miscellaneous tools and small containers (generally 5 gallons or less) of paints, lubricants, diesel, and gasoline stored in flammables closets and on designated shelving within the shop. No evidence of a material release was noted in connection with the containers. Apparent floor drains were noted throughout the shop, with no evidence of a significant material release. The upper floors contained offices, a mailroom, outpatient billing services, a dialysis center and financial offices. A materials storeroom was located on the fourth floor that was used for storage of paper goods, universal wastes (i.e., used fluorescent bulbs and ballasts) and personal hygiene items (i.e., toothbrushes, powders, soaps etc.) No evidence of a material release was observed in the inspected areas of the building.

The Masin building comprised an approximately 45,000-square foot, six-story building with a basement constructed in 1971. The basement contained mechanical spaces with water/steam piping, a sump pump, electrical equipment and natural gas meters. No evidence of a material release was noted in connection with the mechanical areas. The upper floors contained laboratories on the second, third, and sixth floors; and administrative/office space, general storage areas, with some vacant areas in the remaining portions of the building. Small quantities of chemicals were utilized in the pathology laboratory (second floor) including formaldehyde, xylenes, and alcohol. The chemicals were stored in designated fire-proof storage cabinets in laboratory areas and were reportedly removed on an as-needed basis by private haulers. The pathology lab and biology and microbiology laboratories (third and eighth floors, respectively) produced biological wastes (e.g., tissues, blood and specimens) that are sterilized and disposed of off-site by private haulers. No evidence of a material release was observed in the laboratory areas.

The Leviton building comprised an approximately 34,500-square foot, four-story building with a basement constructed in 1940. The basement contained mechanical spaces, steam distribution piping, electrical equipment, air handling equipment and a computer processer room. The upper floors contained administrative areas including nurses offices, Human Resources, and clinic offices. No evidence of a material release was noted within the building.

Parcel C (Block 4602, p/o Lot 1)

Parcel C included the Katz, Minkin, and Briger hospital buildings, the facilities plant, a synagogue, and exterior landscaped and asphalt or concrete-paved areas on the central and southern portions of the campus.

The Katz building comprised an approximately 54,000-square foot, six-story building with a basement. The basement contained mechanical spaces with water/steam piping, electrical equipment and air handling equipment, patient exam rooms, x-ray rooms, offices, and an instrument sterilization area. No evidence of a material release was noted in connection with the mechanical areas. Hospital personnel indicated that x-ray processing is currently all digital;

however, historic photo processing operations may have included the use of silver-containing photo-fixing fluids, which may have potentially affected subsurface conditions (i.e. from discharge to drains). The sterilization area was not accessible during the site reconnaissance. Hospital personnel indicated that the sterilization process was conducted with steam and hydrogen peroxide cartridges. The spent hydrogen peroxide cartridges were removed on an as-needed basis by a private hauler. Hospital personnel indicated that digital x-ray processing systems are used throughout the hospital. The upper floors contained offices, CT scan rooms, a pharmacy and the hyperbaric/cardiology department. The pharmacy was mainly used for administration, medicine distribution and storage areas. Small quantities of wastes including discarded medicines, intravenous therapy equipment, and hypodermic needles ("sharps") were stored in the pharmacy in designated receptacles and removed regularly by a private hauler. A one-story synagogue for patients/staff adjoined the northeastern portion of the building. No evidence of a material release was noted in the building.

The Minkin and Briger buildings comprised the main hospital buildings and contained five stories with a basement each, totaling approximately 108,000-square feet. The basement contained mechanical spaces with water/steam piping, electrical equipment and air handling equipment and diagnostic imaging rooms. The first floor contained a lobby, the radiology department, ICU/CCU department, patient rooms and a storage room with compressed gas cylinders (e.g., nitrous oxide, oxygen, etc).The upper floors contained operating/surgical rooms, rehabilitation areas and patient rooms. The emergency medicine department was located on the eastern side of the Minkin Building. Due to privacy issues, surgical/operating rooms, and patient areas were not accessible during the site reconnaissance. No evidence of a material release was noted in the inspected areas of the buildings.

The facilities plant, located on the eastern portion of the hospital campus, contained the central energy plant for the hospital, with three boilers used to distribute high-pressure steam via ancillary piping to the hospital buildings for heating and hot water. Several containers of water treatment chemicals for the boiler system (i.e., descaler) were stored on the boiler room floor with no evidence of leakage or breeches noted. Several floor drains were noted in the vicinity of the boilers that were reported to drain to the municipal sewer system, according to maintenance personnel. A former incinerator room (with an associated stack) adjoined the boiler room that is currently used for miscellaneous storage of paper goods, rock salt, miscellaneous furniture, etc. The remainder of the plant contained electrical equipment/switchgears, steam distribution piping, water expansion tanks and associated piping and miscellaneous storage areas. An approximately 550-gallon diesel tank for an additional emergency generator system was located in the southwestern portion of the plant. The tank had a secondary containment berm and was entirely encased in concrete and the surface and bottom of the tank could not be visually inspected [therefore the tank is considered a underground storage tank (UST) according to PBS regulations]. A pad-mounted emergency generator was located outside of the eastern portion of the facilities plant with a small (less than 300 gallons) roof-mounted diesel day tank. Site personnel indicated that additional diesel tanks are located in the off-site adjacent Rutland Nursing Home (associated with emergency generators). Several polyethylene 55-gallon drums of coolant (used for several chillers located throughout the hospital campus) were staged on an asphalt-paved area to the east of the plant, with no evidence of leakage observed. Three roll-off containers (two for general refuse and one for red-bag/biomedical wastes) were staged in a concrete-paved driveway immediately south of the plant. Drainage structures including a trench drain and an apparent storm drain were observed in the driveway, with no associated staining or sheens noted. Apparent lifting equipment of an unknown configuration was observed along the south side of the plant. No stains, odors or other evidence of a material release was observed in

these areas. Parking areas were located south and east of the Minkin and Briger buildings. Several oxygen tanks were located within the parking area to the east of the Minkin building in a brick enclosure. Tank manways for a 40,000-gallon No. 6 fuel oil UST (reportedly closed-in-place according to site personnel) and a 20,000-gallon No. 6 fuel oil UST (used in emergencies when natural gas is not readily available) were observed in landscaped areas on the northern and western portions of Parcel C, respectively. The apparent fill port for the 20,000-gallon tank was observed within a concrete walkway on the southwestern portion of Parcel C. Apparent transformer vaults were observed on the east- and west-adjacent Schenectady Avenue and East 49th Street sidewalks. No evidence of a material release (staining, odors and/or chemical vegetative stress) was observed in exterior areas of the campus.

2.2 Topography and Hydrogeology

Surface topography is generally level. Based on reports compiled by the U.S. Geological Survey (Brooklyn Quadrangle), the Property lies at an elevation of approximately 25 to 30 feet above the National Geodetic Vertical Datum of 1929 (an approximation of sea level). Information from a 2012 Geotechnical Investigation conducted at the Property in the vicinity of the Emergency Medicine Department (southeastern portion of the campus) indicated that groundwater was encountered at approximately 23 feet below ground surface, with perched groundwater conditions observed at approximately 10 feet below ground surface. Based upon a review of topographical data and the site reconnaissance, groundwater is assumed to flow in a southerly to southeasterly direction. However, actual groundwater flow at the Property can be affected by many factors including past filling activities, underground utilities, and other subsurface openings or obstructions such as basements, nearby subway lines, and other factors beyond the scope of this study.

2.3 Storage Tanks

2.3.1 Underground Storage Tanks (USTs)

The Property was registered with the New York State Department of Environmental Conservation (NYSDEC) Petroleum Bulk Storage (PBS) Program (Facility ID # 2−10912) with underground storage tanks (USTs) including: one in-service 20,000-gallon No. 2 fuel oil UST installed in 1967; one in-service 40,000-gallon No. 6 fuel oil UST installed in 1962; one closed-removed 1,000-gallon diesel UST installed in 1976; one closed-removed 500-gallon diesel UST installed in 1962 and one in-service 2,500-gallon diesel UST installed in 1991. Site personnel indicated that the fuel oil USTs are associated with the dual-fuel boiler system at the hospital, which primarily utilizes natural gas and diesel tanks are associated with previous and current emergency generators for the hospital buildings and emergency generators for the off-site Rutland Nursing home. Electronic buildings department files cited replacement fuel oil installation permits for a 1,080 gallon fuel oil tank and a 1,500 gallon fuel oil tank filed in 2001, and oil burner applications in 1976, 1980, and 1988 (the location of the tanks was unspecified). It is unknown whether the online buildings department files referred to underground or aboveground tanks.

Off-site USTs are discussed in Section 5.2.2.

2.3.2 Aboveground Storage Tanks (ASTs)

Aboveground storage tanks (ASTs) registered for the Property under Facility ID # 2−10912 included: one 1,000-gallon diesel AST (associated with the Rutland Nursing Home) installed in 2002 and one 500-gallon diesel AST installed in 2002. The

construction of the 500-gallon AST may make it a UST, according to PBS regulations. It is unknown whether the online buildings department files referred to underground or aboveground tanks.

Off-site ASTs are discussed in Section 5.2.2.

2.4 Polychlorinated Biphenyls (PCBs) and Mercury

Until 1979, polychlorinated biphenyls (PCBs), which provided beneficial insulating properties, were used in a variety of products, in particular electrical equipment such as transformers, capacitors, fluorescent light fixtures, and voltage regulators, but also in hydraulic fluids and some other products such as caulking.

Based on the age of the buildings, electrical equipment (including switchgears), hydraulic equipment (i.e. lifting equipment in loading areas) and lighting fixtures, switches and thermostats may include (PCB)- or mercury-containing components. No obvious leaks or odors were observed in connection with observed equipment or the lighting fixtures.

2.5 Lead-Based Paint

Lead-based paint was generally not used inside residential buildings after 1977 nationwide. After 1977, its use inside commercial structures was also restricted and its use elsewhere became less common, but lead-based paint may still sometimes be used outdoors. Lead-based paint can present a hazard, particularly to children, especially when it is in poor condition.

Based on the age of the buildings, lead-based paint may be present on and within the Property structures. Painted surfaces were observed to be in good to poor condition. Activities (such as renovation or demolition) with the potential to disturb lead-based paint are subject to a variety of requirements, including US Occupational Safety and Health Administration regulation 29 CFR 1926.62 (Lead Exposure in Construction). Any renovation activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62—Lead Exposure in Construction). If the site is visited regularly by children under 6 years of age, the buildings may be considered a Child Occupied Facility by the US EPA. Additional lead-based paint requirements should lead-based paint remain during/after renovation may include occupant notification, contractor licensing and lead-safe work practices.

2.6 Utilities

National Grid provided natural gas and Con Edison provided electricity to the Property and surrounding area. The Property was connected to New York City municipal water and sewer systems.

2.7 Waste Management and Chemical Handling

Private carters remove solid waste from the Site. Laboratory wastes, biohazardous/medical wastes and universal wastes were stored in designated rooms throughout the buildings and are removed regularly by private haulers. The Property was identified in the regulatory databases as a Small Quantity Generator (SQG) of hazardous wastes including: spent non-halogenated solvents, ignitable wastes, corrosive wastes, phenol, mercury, silver, formaldehyde, ethanamine, chloroform, cresol, cyclohexanone, cyclohexane, acetonitrile, methyl alcohol, acetone, cyanides, naphthalene, and reactive wastes between 1993 and 2013; and as an air discharge facility for nitrogen dioxide and total particulate matter emissions. Historic Sanborn maps identified on-site laboratories and an x-ray laboratory between circa 1969 and 2007. Historic chemical handling

associated with on-site laboratories, maintenance activities at the facilities plant, and/or photo processing/development of x-rays could have affected subsurface conditions at the Property (i.e. from potential historic disposal of wastes to on-site drains).

2.8 Radon

Radon is a colorless, odorless gas most commonly produced by the radioactive decay of certain rocks. According to a New York State Department of Health database the average level of radon found in basements in Kings County is 1.93 picocuries/liter, below the USEPA recommended action level of 4.0 picocuries/lite.

3.0 ASBESTOS-CONTAINING MATERIALS (ACM)

Asbestos refers to a group of natural minerals that provide good fire resistance and insulation. Asbestos is also commonly found in vinyl flooring, plaster, sheetrock, joint compound, ceiling tiles, roofing materials, gaskets, mastics, caulks and other products. Materials containing more than one percent asbestos are considered asbestos-containing materials (ACM). ACM are classified as either friable (i.e., more readily release fibers, such as most spray-applied fireproofing) or non-friable (such as floor tiles).

Suspect ACM were observed during the reconnaissance and included: plaster, sheetrock, joint compound, tile grout and adhesive, ceiling/wall tiles and associated mastic, pipe insulation, duct insulation, electrical panels, fire doors, caulks, putties, brick and block mortar, and roofing materials. Suspect ACM were noted to be in good to poor condition. ACM may also be present in other locations not readily accessible during the reconnaissance. Buried structures (e.g., utility conduits) and the historical fill material could include ACM. This reconnaissance did not constitute and cannot substitute for an asbestos survey, which includes comprehensive inspection and material sampling with laboratory testing.

Regulatory requirements for ACM (or suspect ACM until proven not to be ACM) include maintenance requirements and, prior to any renovation or demolition, inspection/sampling by a NYS-certified asbestos inspector to determine if the project will disturb ACM. Any such ACM (and any other ACM subsequently identified) must be removed prior to the renovation or demolition.

4.0 ADJACENT LAND USE

The medical center campus was generally bound by Rutland Road to the north; Winthrop Street to the south; East 49th Street to the East; and Schenectady Avenue to the west. The Utica Avenue parking lot (Parcel A) was located to the east of the main campus, across East 49th Street. The surrounding area included residential, educational, commercial, medical office and religious uses, with some automotive uses including a gasoline filling station located east-adjacent to Parcel A along Utica Avenue.

5.0 PROPERTY HISTORY AND RECORDS REVIEW

5.1 Prior Ownership and Usage

5.1.1 Historical Land Use maps

Historical maps were reviewed for indications of uses (or other evidence) suggesting hazardous materials generation, usage or disposal on or near the Property. Specifically, Sanborn Fire Insurance Maps from 1905, 1929, 1951, 1969, 1977, 1983, 1995, 2001, and 2007 were reviewed.

1905

Property:

The Property comprised vacant land.

Surrounding Properties:

The surrounding blocks were primarily vacant, with sparse dwellings.

1929

Property:

A three-story Jewish Sanitarium for Incurables (current Lefrak building) was shown on the northeastern portion of the Property, with several small dwellings and outbuildings to the west and northwest. A small dwelling with a coop was shown on the southwestern portion of the Property. The remainder of the Property was undeveloped.

Surrounding Properties:

An auto repair shop with a gasoline tank was shown on the southern portion of the north-adjacent block, across Rutland Road. Sparse commercial and industrial uses were shown on the surrounding blocks, including an iron works on the northwest-adjacent block and a laundry on the southwest-adjacent block.

No other significant changes were noted in the surrounding area.

1951

Property:

The Hospital/Sanitarium complex expanded, with the current the Katz building (with an x-ray lab), facilities plant (labeled as kitchen and laundry) and synagogue shown, and the current Leviton building was shown as a nurses home.

Surrounding Properties

Additional residences were shown southeast-adjacent to the main hospital campus and on adjacent blocks. Automotive/industrial uses included a laundry and a carpenter shop on the northern portion of the south-adjacent block; and a filling station, plumbing supplies warehouse and a lumber yard on the southern portion of the east-adjacent block.

1969

Property:

The Minkin and Masin buildings were shown in their current configuration (with x-ray and general laboratory uses noted), and the Hospital campus was labeled as the Jewish Chronic Disease Hospital. A small greenhouse was noted east of the Katz and Minkin buildings. Parcel A was labeled as a parking lot.

Surrounding Properties

Additional residential development was shown on the surrounding blocks. A filling station and a chemical storage warehouse were noted immediately east of Parcel A. Several auto repair and auto painting shops were shown on the southeast-adjacent block.

1977-1983

Property:

The hospital buildings remained similar to the 1969 Sanborn map.

Surrounding Properties

The Rutland Nursing Home was shown on the western portion of the hospital campus, with a passageway extending to the Katz building. A used auto sales lot was noted on the east-adjacent block.

1995

Property:

The Briger building was shown in its current configuration on the southern portion of the hospital campus.

Surrounding Properties

A church was shown on the east-adjacent block, and the former chemical storage warehouse east-adjacent to Parcel A noted on previous maps was shown as an auto repair shop.

2001-2007

Property:

The Hospital buildings remained similar to the 1995 Sanborn map.

Surrounding Properties

The former auto repair shop east-adjacent to Parcel A was shown as an unspecified commercial building on the 2007 Sanborn map. The former filling station on the southern portion of the east-adjacent block was shown as an unspecified commercial building on the 2001 and 2007 Sanborn maps.

Summary

A review of Sanborn maps indicated that the Property was vacant land since at least 1905. The main hospital campus contained the Jewish Sanitarium for Incurables (current Lefrak building), residential structures and vacant land on the 1929 Sanborn map. The campus expanded, as shown on the 1951 through 1983 Sanborn maps, with the current hospital buildings shown in their current configuration on the 1995 through 2007 Sanborn maps. An x-ray laboratory adjoined the Minkin and Katz buildings, as shown on the 1969 through 2007 Sanborn maps. Laboratory use was also noted within the Masin building between 1969 and 2007. A greenhouse was present on the eastern portion of the campus between1969 and 2007. Historical chemical handling associated with on-site laboratories and photo processing/development of x-rays could have affected subsurface conditions at the Property (i.e., from potential historic disposal of wastes to on-site drains). Historic herbicide/pesticide use and potential lead leaching associated with the former greenhouse could have affected subsurface conditions at the Property. Buried demolition debris from historic on-site structures (that could include ACM, LBP and/or USTs) and/or historic fill materials may be present beneath the Site.

The Sanborn Map review identified proximal industrial and automotive uses including: a filling station shown east-adjacent to Parcel A between 1969 and 2007; an auto repair shop, a laundry and a carpenter shop on the northern portion of the south-adjacent block between 1929 and 2007; a chemical storage warehouse (subsequently an auto repair shop) shown east-adjacent to Parcel A between 1969 and 2001; and additional

automotive uses on the southeast-adjacent block between 1969 and 2007. Such uses may have affected subsurface conditions at the Property.

5.1.2 Historical Topographic Maps and Aerial Photographs

Since historical fire insurance maps were available for the Property (and surrounding area) and these maps included information relating to land use, aerial photographs would, most likely, not provide additional useful information relevant to the potential for recognized environmental conditions or other environmental concerns. As such, aerial photographs were not reviewed.

5.1.3 Property Tax Files and Zoning Records

Based on NYC Department of City Planning's Primary Land Use Tax Output (PLUTO) information the Property is zoned as R6 (Residential, medium density). Tax parcel information provided by the New York City Buildings Department on-line Buildings Information System (BIS) indicated that the occupancy code for Parcel A (Block 4603, Lot 1) is G7 Garage/Gas Station; the occupancy code for Parcel B (Block 4602, p/o Lots 1 and 5) is I1-Hospitals & Health; and the occupancy code for Parcel C (Block 4602, p/o Lot 1) is I1-Hospitals & Health.

5.1.4 Recorded Land Title Records

Copies of title records were not provided to AKRF for review. A review of computerized New York City Automated City Register Information System (ACRIS) records, which included records of financial transactions involving the Property, identified no environmental liens or use restrictions for the Property.

5.1.5 Local Street Directories

A review of historical city directories was conducted. The following table (Table 1) presents descriptions and interpretations from the historical city directory review:

Table 1. Historical City Directories

Year	Comments
1934	**Site:** Not listed **Surrounding Properties:** Residential, Commercial
1945	**Site:** Not listed **Surrounding Properties:** Residential, Commercial
1949	**Site:** Not listed **Surrounding Properties:** Residential, Commercial
1970	**Site:** Not listed **Surrounding Properties:** Residential, Commercial, Healthcare
1992	**Site:** Doctors' Offices **Surrounding Properties:** Residential, Commercial, Healthcare
1985	**Site:** Doctors' Offices, Hospital State University, Pharmacy **Surrounding Properties:** Residential, Commercial, Healthcare
1997	**Site:** Kingsbrook Jewish Center, Doctor Offices, Rutland Nursing Home **Surrounding Properties:** Residential, Commercial, Healthcare
2013	**Site:** Kingsbrook Jewish Center, Doctor Offices, Rutland Nursing Home **Surrounding Properties:** Residential, Commercial, Healthcare

5.2 Regulatory Review

The regulatory database report, provided in Appendix C, was obtained from Toxics Targeting, Inc. of Ithaca, New York. It includes summaries of the databases searched, their radii around the Property, and limitations of the data. The databases searched and associated radii were consistent with ASTM E1527-13 outlined standards.

5.2.1 Federal

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

National Priority List (NPL)

The NPL is the USEPA's list of sites that probably require remedial action under the Superfund Program. Nearby NPL sites can sometimes pose a risk of stigmatizing surrounding properties and thus impacting property values.

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

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

CERCLIS is a compilation of sites which the USEPA has investigated, or plans to investigate, pursuant to the Superfund Act of 1980 (CERCLA). As such, some of these sites may ultimately present concerns and others may not (but could still pose a perceived concern). Former CERCLIS sites that have been granted the status of No Further Remedial Action Planned (NFRAP) are also included in this database.

No CERCLIS sites were identified within a ½-mile of the Property.

Emergency Response Notification System (ERNS)

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

The Property was not listed as an ERNS site.

Toxic Chemical Release Inventory System (TRIS)

The TRIS contains information reported by a variety of industries on their annual estimated releases of certain chemicals.

No TRIS sites were identified within a ⅛-mile radius of the Property.

Permit Compliance System of Toxic Wastewater Discharge (WWD)

This database includes certain sites which discharge wastewater containing potentially hazardous chemicals.

No WWD facilities were reported within ⅛-mile of the Property.

United States Environmental Protection Agency Civil Enforcement Docket

This database tracks civil judiciary cases filed on behalf of the USEPA by the Department of Justice.

No facilities were listed in the USEPA's Civil Enforcement Docket within ⅛-mile of the Site.

Air Discharge Facilities (ADF) Index

This federal database includes information on certain air emission sources.

Seven ADF facilities (including the Property) were identified within a ⅛-mile radius of the Property. The Property listing is as follows:

Kingsbrook Jewish Medical Center was listed as an ADF for potential uncontrolled emissions < 100 tons/year of nitrogen dioxide and total particulate matter. The compliance status was listed as in violation with regard to procedural compliance for nitrogen dioxide emissions and in compliance for total particulate matter. No further pertinent information was provided in the listing. The adjacent Rutland Nursing home was listed as in compliance with procedural requirements for nitrogen dioxide emissions.

Of the remaining listed facilities, the following facility has some potential to have affected the Property based on distance:

Merit Service Station, located at 530-546 Utica Avenue, east-adjacent to Parcel A, was listed as an ADF facility for potential uncontrolled emissions < 100 tons/year of volatile organic compounds (VOCs), and as in compliance with its SIP source.

Based on details in the regulatory database information including distance from the Property and inferred groundwater flow direction, the remaining listed ADF facilities are not anticipated to represent a significant environmental concern.

5.2.2 State

The state records reviewed included listings of hazardous material spills; Resource Conservation and Recovery Act (RCRA) Notifiers; Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); State Hazardous Substance Waste Disposal Sites (SHSWDS); Major Oil Storage Facilities (MOSF); Brownfield Sites; Historic Utility Sites.; Environmental Restoration Program (ERP) sites; Voluntary Cleanup Program (VCP) sites and Brownfield Cleanup Program (BCP) sites.

New York SPILLS Database

This database includes releases reported to the NYSDEC, including tank test failures (for USTs only) and tank failures.

One hundred forty-one spills were reported within a ½-mile radius of the Property. No spills were reported for the Property. The following spill listings have some potential to have affected the Property based on the nature of the listing and proximity to the Property:

Hess-Merit Service Station 32534, located at 530-546 Utica Avenue, east-adjacent to the Property, was listed with two closed status spills that were consolidated under an open spill number (Spill No. 9614292). The spill file notes indicated that the facility has undergone remediation of petroleum-contaminated soil and groundwater since at least

1997 when gasoline-contaminated soil was discovered during tank removal activities. Subsequent quarterly groundwater monitoring events found elevated levels of VOCs including methyl tertbutyl ether (MTBE) and benzene, toluene, ethylbenzene, and xylenes (BTEX) in groundwater (i.e., compounds typically associated with gasoline) and free-phase petroleum product was encountered in on-site monitoring wells, according to the spill file notes. Subsequent quarterly groundwater monitoring and vacuum-enhanced free-phase petroleum product removal events were conducted by several consultants, and a soil vapor extraction/air sparging (SVE/AS) system was installed in 2003 to address elevated VOCs and free-product encountered in on-site monitoring wells. According to the spill file notes, quarterly monitoring and operation of the SVE/AS system continued until 2010, when the SVE/AS system was shut down. Additional on- and off-site monitor wells were subsequently installed to delineate the extent of free-phased and dissolved VOC contamination. The spill file entry dated June 2012 indicated that five monitor wells were planned to be installed in a medical center parking lot (current Parcel A). The installation of the off-site wells was reportedly approved by NYSDEC in August 2012. The most recent spill file notes (January 2013) indicated that off-site delineation would be conducted in the first quarter of 2013. Quarterly sampling results from 2012 indicated that groundwater flow was to the south (groundwater flow was historically noted to be to the northeast) and depth to groundwater was generally between approximately 22 and 25 feet below grade.

Based on listing details, including nature of the spills, distance from the Property, and/or inferred groundwater flow direction, the remaining listed spills would not be expected to have significantly affected the Property. Details from all spills are included in Appendix C.

Resource Conservation and Recovery Act (RCRA) Notifiers Listings

This database lists sites that have filed notification forms regarding hazardous waste activity, including: treatment, storage and disposal facilities (TSDs); small-quantity (SQG) and large-quantity generators (LQG); and transporters regulated under RCRA. The discussion below includes any CORRACTS listings of facilities that are subject to corrective action under RCRA.

No CORRACTS sites were listed within a one-mile radius of the Property. Seventeen RCRA Generators/Transporters (including the Property) were reported within a ⅛-mile radius of the Property. The Property was listed as a RCRA Generator/Transporter with the following information:

The Property was identified in the regulatory databases as a Small Quantity Generator (SQG) of hazardous wastes including: spent non-halogenated solvents, ignitable wastes, corrosive wastes, phenol, mercury, silver, formaldehyde, ethanamine, chloroform, cresol, cyclohexanone, cyclohexane, acetonitrile, methyl alcohol, acetone, cyanides, naphthalene and reactive wastes between 1993 and 2013. No violations were cited in the regulatory database information.

The following off-site facility has some potential to have affected the Property subsurface based on details in the database listing including waste type and/or proximity:

- Merit Oil Corp., located at 530-546 Utica Avenue, east-adjacent to Parcel A, was listed as a historic large quantity generator, however no waste type or amount was specified in the listing.

Based on their locations or listing details (i.e., waste type), the remaining RCRA facilities would not likely affect the Property subsurface.

Chemical Bulk Storage (CBS) Database

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

No CBS facilities are listed within a ⅛-mile radius of the Property.

Solid Waste Facilities (SWF)

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

No Solid Waste Facilities were identified within a ½-mile radius of the Property.

Petroleum Bulk Storage (PBS) Database

This database lists facilities that registered having either aboveground or underground petroleum tanks with total storage exceeding 1,100 gallons. Facilities with more than 400,000 gallons appear on the Major Oil Storage Facilities (MOSF) database (see below).

Nineteen PBS facilities (including the Property) were identified within a ⅛-mile radius of the Property. Details for the Property and adjacent or proximal upgradient facilities are given in Table 1:

Table 1
Area Petroleum Bulk Storage Facility Data

Location	Capacity (gallons)	Product Stored	Install Date	Status	Approximate Distance/Direction from Site
Kingsbrook Jewish Medical Center Facility ID: 2- 109126	20,000 UST	No. 4 Fuel Oil	1976	In-Service	Property
	40,000 UST	No. 6 Fuel Oil	1962	In-Service	
	1,000 AST (in contact with soil)	Diesel	2002	In-Service	
	1,000 UST	Diesel	1976	Closed-Removed	
	500 AST (in contact with soil)	Diesel	2002	In-Service	
	500 UST	Diesel	1962	Closed-Removed	
	2,500 UST	Diesel	1991	In-Service	

Location	Capacity (gallons)	Product Stored	Install Date	Status	Approximate Distance/Direction from Site
Hess-Merit Service Station 32534 530-546 Utica Avenue Facility ID: 2- 297704	10 x 4,000 UST	Gasoline	1980	Closed-Removed	East-adjacent
	2 x 2,000 UST	Gasoline	1980	Closed-Removed	
	2,000 UST	Fuel Oil	Unspecified	Closed-Removed	
	7 x 4,000 UST	Gasoline	1980	In-Service	
	30 x 550-UST	"Other"	1963	Closed-Removed	
	2 x 550-UST	"Other"	1991	In-Service	
Harry Silver Housing Co. 828 Midwood Street Facility ID: 2–199095	6,000 UST	No. 2 Fuel Oil	1991	In-Service	170 feet/North
	20,000 UST	No. 6 Fuel Oil	1953	Closed-Removed	
	4,000 UST	No. 2 Fuel Oil	1991	In-Service	
	10,000 UST	No. 6 Fuel Oil	1953	Closed-Removed	

Note: UST - underground storage tank; AST - Above ground storage tank

The Hess-Merit facility was listed in the NY Spills database, as noted previously. Details of the additional PBS facilities located within ¼ mile of the Property are included in Appendix C.

State Inactive Hazardous Waste Disposal Site Registry (SHWS)

This program (also known as State Superfund) lists information regarding a variety of sites likely requiring cleanup.

One State Inactive Hazardous Waste Disposal Sites was reported within a one-mile radius of the subject property. Given its distance from the Property and the direction of anticipated groundwater flow, there is a low potential of this facility having affected subsurface conditions beneath the Property

State Hazardous Substance Waste Disposal Site Study (SHSWDS)

This database tracks certain sites that were not listed on SHWS, but may still require investigation and/or cleanup.

No SHSWDSs were identified within a ½-mile radius of the Property.

Major Oil Storage Facilities (MOSF) Database

These facilities have petroleum storage of 400,000 gallons or more.

No Major Oil Storage Facilities were reported within a ½-mile radius of the Property.

Historic Utility Sites

This is an inventory of selected power generating facilities, manufactured gas plants and storage facilities, utility maintenance yards and other gas and electric utility sites identified in various historical documents, maps and annual reports from 1898 to 1950.

No Historic Utility Sites were listed within ⅛-mile of the Property.

Environmental Restoration Program

These sites (which are generally municipally-owned) are receiving New York State funding for site investigation and remediation. Some sites in this program have known contamination, whereas others have not had sufficient investigation to determine whether contamination is present.

No ERP sites were identified within a ½-mile radius of the Property.

Voluntary Cleanup Program

The Voluntary Cleanup Program (VCP) is a NYSDEC program for investigation and remediation of (generally) privately-owned sites. Some sites in this program have known contamination, whereas others have not had sufficient investigation to determine whether contamination is present.

No VCP sites were identified within a ½-mile radius of the Property.

Brownfield Cleanup Program (BCP)

This NYSDEC program is the successor to the Voluntary Cleanup Program. Again, some sites have known contamination, whereas others have not had sufficient investigation to determine whether contamination is present.

No Brownfield Cleanup Program (BCP) sites were identified within ½-mile of the Property.

New York City (E) Designation Site Listing

A New York City (E) designation for a property requires that the owner conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the New York City Office of Environmental Remediation (NYCOER) before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The Property tax lots were not assigned E-designations, as noted in the database information.

5.2.3 Local Agency File Review

Available online records from the New York City Buildings Department were viewed for the Property. NYC Fire Department records were obtained by Toxics Targeting, Inc. as part of their database search. Since the records typically address a multitude of issues, the review focused on items likely to relate to the potential presence of hazardous materials, e.g., petroleum tank installation applications and permits, or records indicating prior uses. Copies of pertinent information are included in Appendix D (Local Records).

Block 4603, Lot 1 (Parcel A)

- No Certificates of Occupancy (C of Os) were available.
- No pertinent environmental records were included in the BIS files.

Block 4602, Part of Lot 1 and Lot 5 (Parcel B)

- A 1976 C of O noted a five-story hospital building with offices and treatment examination rooms on the first floor; rehabilitation, treatment, and therapy rooms on the second floor; and patient bedrooms and nurses' offices on the third through fifth floors, with a fuel oil installation approval cited.
- An oil burner application was cited in 1976.
- An oil burner application was cited in 1980.
- An oil burner application was cited in 1988.
- Replacement fuel oil installation permits were filed for a 1,080-gallon oil tank and a 1,500-gallon oil tank in 2001. The job description for the permits indicated that an oil tank of an unspecified size was legally abandoned in conjunction with the installations.
- A 1991 C of O noted a noted a five-story hospital building with compactor room, mechanical equipment room, gear room, and plumbing room on the cellar level, patient recovery rooms, a nurses' station, storage rooms, and utility rooms on the first floor; patient rooms, nurses' lounge and waiting areas on the second through fourth floors; and mechanical equipment and stair bulkhead located on the roof.

Block 4602, Part of Lot 1 (Parcel C)

- No Certificates of Occupancy (C of Os) were available.
- No pertinent environmental records were included in the BIS files.

The information obtained from NYCDOB files noted medical uses on the Property with replacement fuel oil installation permits filed for a 1,080-gallon oil tank and a 1,500-gallon oil tank in 2001, and oil burner applications for Lot 1 in 1976, 1980, and 1988. Historic/current fuel oil tanks may have affected subsurface conditions at the Property. Copies of these documents are included in Appendix D.

Fire Department

The database search provided by Toxics Targeting, Inc. did not cite any Fire Department records for the Property.

5.2.4 Additional Environmental Record Sources

To enhance the search, ASTM requires that additional local records be reviewed (i.e., beyond those included as part of the standard database search or checked online) when, in judgment of the environmental professional, such records for the Property or any adjoining property would be reasonably ascertainable; and useful, accurate and complete in light of the objective of the records review. These records include:

- Local brownfields lists
- Local lists of landfill/solid waste disposal sites
- Local lists of hazardous waste/contaminated Sites
- Local lists of registered tanks
- Local land records (for activity use limitations)

- Records of emergency release reports
- Records of contaminated public wells

Sources for these records include:

- Fire Department
- Local/Regional Water Quality Agency
- Local Electric Utility (for PCB records)

In addition to the Local Agency File Review, AKRF sent Freedom of Information Law (FOIL) requests to the New York State Department of Environmental Conservation (NYSDEC) Region 2 for the Property and the off-site adjacent filling station (530-546 Utica Avenue) to determine whether pertinent environmental records for the Property and the off-site filling station could be obtained for further review. As of the date of this report, the NYSDEC has not responded to the records requests. If issues of potential concern are noted upon receipt of this information, an addendum to this report will be created to discuss relevant findings.

In AKRF's judgment, no such additional local records meeting the ASTM criteria are pertinent for the Property.

6.0 USER-PROVIDED INFORMATION

In preparing this Phase I ESA, AKRF requested that the client provide any pertinent information regarding the Property, specifically:

- The reason for performing the Phase I ESA;
- Whether they were aware of any pertinent current or historic activities at or near the Property, including but not limited to: hazardous substances or petroleum, waste management practices, filling or disposal drains, septic/sewer systems, and potable and non-potable wells;
- Owner and occupant information and whether they were aware of any previous Phase I ESAs or other potentially pertinent reports, plans or information;
- Whether any *environmental liens* or *activity and land use limitations* are in place or filed or recorded against the Property or whether there was pending, threatened, ongoing or past violations, litigation or enforcement action relevant to hazardous substances or petroleum products;
- Whether they had any specialized knowledge or experience related to the Property or nearby properties (e.g., specialized knowledge of the chemicals used by this type of business);
- Whether the (anticipated) purchase price reflects that the Property is or could be contaminated; and
- Whether they were aware of commonly known or reasonably ascertainable information about environmental conditions of the Property including current/past uses of the Property and adjacent properties.

The Phase I ESA was conducted to provide preliminary environmental information as part of due diligence for potential redevelopment of the property. To the extent that pertinent additional information was provided, it has been summarized elsewhere in this report.

7.0 PREVIOUS STUDIES

The results of a geotechnical investigation conducted within the current emergency room parking lot (southeastern portion of the hospital campus) by Carlin-Simpson & Associates Consulting Engineers dated November 2012 indicated that groundwater was encountered at approximately 23 feet below ground surface, with perched groundwater conditions observed at approximately 10 feet below ground surface. The report indicated that subsurface conditions included a shallow layer of asphalt and sub-base material underlain by sandy fill materials, silts, and gravel (with ash and coal noted) to approximately 12 feet below grade. The fill layer was underlain by varying layers of silt, sandy gravel, and sands to the boring termination depths (between 29 and 32 feet below ground surface).

8.0 LIMITATIONS AND DATA GAPS

This assessment met the requirements of the American Society for Testing and Materials (ASTM) as established by ASTM Standard E1527-13 at the time it was performed, with the following limitations:

- Results of this investigation are valid as of the dates on which the investigation was performed.
- Several areas within the hospital were inaccessible for inspection including operating rooms, patient rooms, procedure rooms, surgical rooms and sterilization areas.
- Surface features and/or staining may have been obscured by cars that were parked on exterior portions of the Property.
- Interviews and user provided information were limited to those discussed in Section 6.0. To the extent that interviews were not conducted with the list of interviewees cited in the ASTM Standard (past and present owners, operators, and occupants of the Property and local government officials), AKRF does not believe that this represents a significant data gap likely to result in additional or significantly changed recognized environmental conditions or conclusions.
- The Property area history was not conducted in five-year intervals. However, sufficient information about the history of the site and surrounding area could be obtained from the available historical Sanborn and topographic maps, Buildings Department records, and interviews, and this data gap is not likely to alter the conclusions of this report.
- Agency file reviews for the Property and adjacent properties consisted of a review of standard databases and electronic records maintained by pertinent departments and agencies (summarized in Section 5.2). AKRF believes that this file review was sufficient in determining the potential for recognized environmental conditions or other environmental concerns at the Property and additional reviews beyond this are not warranted and would not likely change the conclusions of this assessment

9.0 FINDINGS

A summary of the assessment findings is presented below:

Recognized Environmental Conditions

- The Property was registered with the New York State Department of Environmental Conservation (NYSDEC) Petroleum Bulk Storage (PBS) Program (Facility ID # 2–10912) with petroleum storage tanks including: one in-service 20,000-gallon No. 2 fuel oil underground storage tank (UST) installed in 1976; one in-service 40,000-gallon No. 6 fuel oil UST installed in 1962; one closed-removed 1,000-gallon diesel UST installed in 1976; one closed-removed 500-gallon diesel UST installed in 1962; one in-service 2,500-gallon diesel UST installed in 1991; one 1,000-gallon diesel aboveground storage tank (AST) installed in 2002; and one 500-gallon diesel AST installed in 2002. Based on their construction, the tanks registered as ASTs may be considered USTs, according to NYSDEC regulations. The fuel oil USTs are associated with the dual-fuel boiler system at the hospital, which primarily utilizes natural gas. The diesel tanks are associated with previous and current emergency generators for the hospital buildings and emergency generators for the off-site Rutland Nursing home. Electronic buildings department files cited replacement fuel oil installation permits for a 1,080-gallon fuel oil tank and a 1,500-gallon fuel oil tank filed in 2001, and oil burner applications in 1976, 1980, and 1988. The building department files did not indicate the location of the tanks or whether they were aboveground or underground. No closure documentation was provided to AKRF related to closure of the former tanks. Potential releases from the former and current storage tanks could have affected the Property subsurface.
- The Property was identified in the regulatory databases as a Small Quantity Generator (SQG) of hazardous wastes including: spent non-halogenated solvents, ignitable wastes, corrosive wastes, phenol, mercury, silver, formaldehyde, ethanamine, chloroform, cresol, cyclohexanone, cyclohexane, acetonitrile, methyl alcohol, acetone, cyanides, naphthalene, and reactive wastes between 1993 and 2013; and as an air discharge facility for nitrogen dioxide and total particulate matter emissions. Historic Sanborn maps identified on-site laboratories and an x-ray laboratory between circa 1969 and 2007. Historic chemical handling associated with on-site laboratories, maintenance activities at the facilities plant, and/or photo processing/development of x-rays could have affected subsurface conditions at the Property (i.e. from potential historic disposal of wastes to on-site drains).
- Groundwater monitoring wells were observed throughout the parking lot on Parcel A that may be associated with an adjacent gasoline filling station with an active regulatory status NYSDEC spill.

Other on-site environmental concerns

- Bio-hazard and universal wastes were stored in designated areas and removed as needed by private haulers, according to site personnel. Laboratory wastes (i.e., formaldehyde, xylenes and alcohol), and compressed gas cylinders were stored within designated containers and storage areas within the hospital buildings.
- Based on the age of the buildings, electrical equipment (including switchgears and thermostats), hydraulic equipment (i.e. lifting equipment in loading areas) and lighting fixtures may include (PCB)- or mercury-containing components. No obvious leaks or odors were observed in connection with observed equipment or the lighting fixtures.
- Sanborn maps identified a greenhouse on the eastern portion of the campus between1969 and 2007. Historic herbicide/pesticide use and lead leaching associated with the former greenhouse could have affected subsurface conditions at the Property.

- A geotechnical study conducted at the Property in 2012 indicated that subsurface conditions included a shallow layer of asphalt and sub-base material underlain by sandy fill materials, silts and gravel (with ash and coal noted) to approximately 12 feet below grade. Potential buried structures and debris in the historical fill could include PCBs, lead-based paint (LBP) and/or asbestos-containing materials (ACM).
- Suspect ACMs are present in the buildings.
- Based on the age of the buildings, lead-based paint may be present on indoor and outdoor surfaces. Painted surfaces were observed to be in good to poor condition.

Off-site Environmental Concerns

- A review of historic Sanborn Maps identified a filling station located east-adjacent to Parcel A (530-546 Utica Avenue) between 1969 and 2007. The facility is currently a Hess filling station and is listed with an active regulatory status NYSDEC spill due to soil and groundwater contamination (including free-phase petroleum product) from historical fueling operations. The spill file information indicated that monitoring wells were installed in a medical center parking lot (current Parcel A) in 2012 and on- and off- site monitoring activities were ongoing to delineate the extent of contamination from the facility.
- The regulatory database identified one proximal petroleum bulk storage (PBS) facility, Harry Silver Housing Co. (828 Midwood Street), located within 200 feet of the Property in an inferred upgradient groundwater flow direction that could have affected subsurface conditions at the Property.
- The Sanborn Map review identified proximal industrial and automotive uses between 1929 and 2007 including: a filling station shown east-adjacent to Parcel A; an auto repair shop, a laundry and a carpenter shop on the northern portion of the south-adjacent block; a chemical storage warehouse (subsequently an auto repair shop) shown east-adjacent to Parcel A; and additional automotive uses on the southeast-adjacent block. Such uses may have affected subsurface conditions at the Property.

10.0 RECOMMENDATIONS

AKRF understands that the Property is being evaluated for potential redevelopment/renovation. Based on the conclusions of this Phase I assessment, AKRF recommends the following:

Recommendations

- Prior to any future development of the Property that involves subsurface disturbance, a subsurface (Phase II) investigation (including soil, soil vapor and groundwater sampling) should be conducted in the identified areas of concern (and in areas of proposed ground disturbance associated with future development) to determine the extent of any potential on-site contamination. The Phase II should include sampling near potential discharge points for laboratory/x-ray processing wastes, the maintenance plant, and adjacent to the current/former on-site petroleum storage tanks; and sampling of the on-site monitor wells on Parcel A.
- A file review should be conducted for the off-site adjacent gasoline station at 530-546 Utica Avenue to ascertain additional information pertaining to the extent of subsurface contamination at the facility to determine whether potential contamination from this facility has affected the Property. Further coordination with NYSDEC may be required prior to redevelopment of Parcel A to determine the necessary remedial measures (if required) to be implemented during construction.
- If renovation/redevelopment activities requiring subsurface soil disturbance are conducted, all excavated soil requiring off-site disposal should be managed in accordance with applicable regulatory requirements. All soil and any other materials intended for off-site disposal should be tested in accordance with the requirements of the intended receiving facility. Transportation of material leaving the site for off-site disposal should be in accordance with federal, state and local requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc. If contaminated soil or unforeseen underground storage tanks are discovered during soil excavation activities, they should be removed and disposed of in accordance with applicable regulatory requirements, including those relating to tank registration and spill reporting, if necessary. Any evidence of a petroleum spill should be reported to NYSDEC and addressed in accordance with applicable requirements.
- Based on their ages and PBS records, the on-site fuel oil and diesel tanks may not be in compliance with current Federal, State and local petroleum storage tank regulations. A review should be conducted to evaluate the facility's compliance with applicable PBS requirements and federal Spill Prevention, Control, and Countermeasure (SPCC) requirements. Based on the results of the compliance review, steps should be taken to address any compliance deficiencies or the on-site storage tanks should be taken out of service and properly closed in accordance with applicable regulations.
- If dewatering is required during future construction activities, water must be discharged in accordance with New York City Department of Environmental Protection (NYCDEP) requirements.
- Prior to any renovation or demolition activities with the potential to disturb suspect ACM, an asbestos survey should be conducted. If these materials prove to contain asbestos, they should be properly removed and disposed of in accordance with all state and federal regulations prior to any renovation or demolition that would disturb those materials.
- Unless there is labeling or test data that indicates that fluorescent lights, other electrical equipment, are not mercury- and/or PCB-containing, if disposal is required, it should be performed in accordance with applicable federal, state and local regulations and guidelines.

- Any renovation or demolition activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62—*Lead Exposure in Construction*). If the site is visited regularly by children under 6 years of age, the building may be considered a Child Occupied Facility by the US EPA. Additional lead-based paint requirements should lead-based paint remain during/after renovation may include occupant notification, contractor licensing, and lead-safe work practices.

11.0 SIGNATURE PAGE

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

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

Neoma Chefalo, MPH
Senior Professional

Marc Godick, LEP
Senior Vice President

12.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the property, and to identify existing and/or potential environmental problems associated with the property including *Recognized Environmental Conditions* as defined in ASTM Standard E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*.

The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with the above-referenced ASTM Standard, except as noted otherwise in Section 8.0. It should only be used as a guide in determining the possible presence or absence of hazardous materials on the property at the time of the reconnaissance, as it is based upon the review of readily available records relating to both the property and the surrounding area, as well as a visual reconnaissance of current conditions.

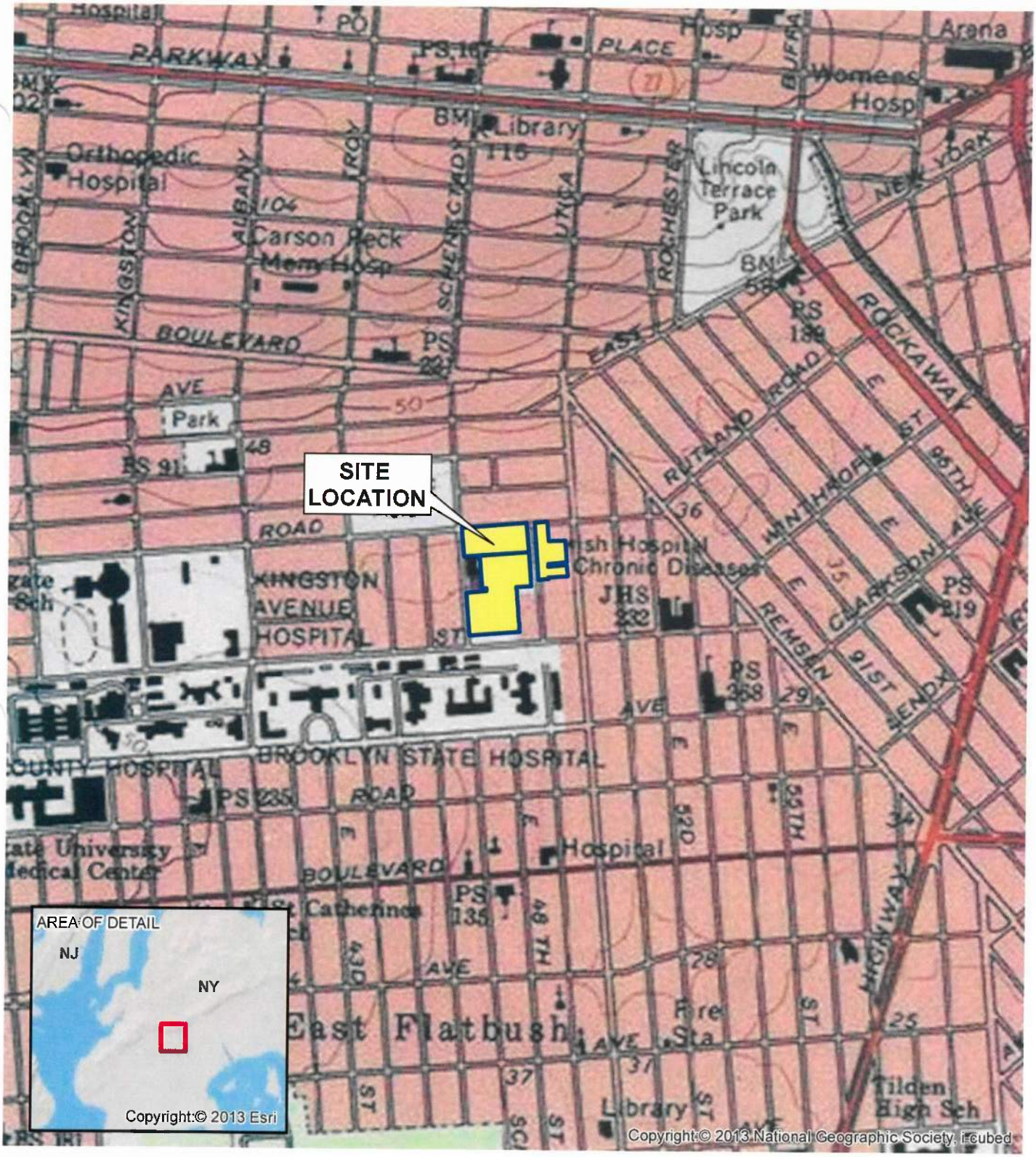
This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances, which can be made only with testing, and contains no formal plans or recommendations to rectify or remediate the presence of any hazardous substances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

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

13.0 REFERENCES

1. Toxics Targeting, Inc. "Kingsbrook Jewish Medical Center - Brooklyn, NY" *Regulatory Radius Search,* December 2013
2. U.S. Geological Survey; *Brooklyn, N.Y. – N.J. Quadrangle*, 7.5 minute Series (Topographic), Scale 1:24,000; 1995.
3. New York State Department of Health: Office of Public Health - Environmental Radiation Section, Basement Radon Screening Data, December 2013.
4. Report on Subsurface Soil and Foundation Investigation Proposed Footings, Kingsbrook Jewish Medical Center Brooklyn, NY, Carlin-Simpson & Associates Consulting Engineers, November 2012
5. Sanborn Insurance Maps dated 1905, 1929, 1951, 1969, 1977, 1983, 1995, 2001, and 2007.

FIGURES



SOURCE
USGS 7.5 Minute Topographic Map
Brooklyn Quad 1995

0 1,000 2,000 Feet

Kingsbrook Jewish Medical Center
Brooklyn, New York

SITE LOCATION

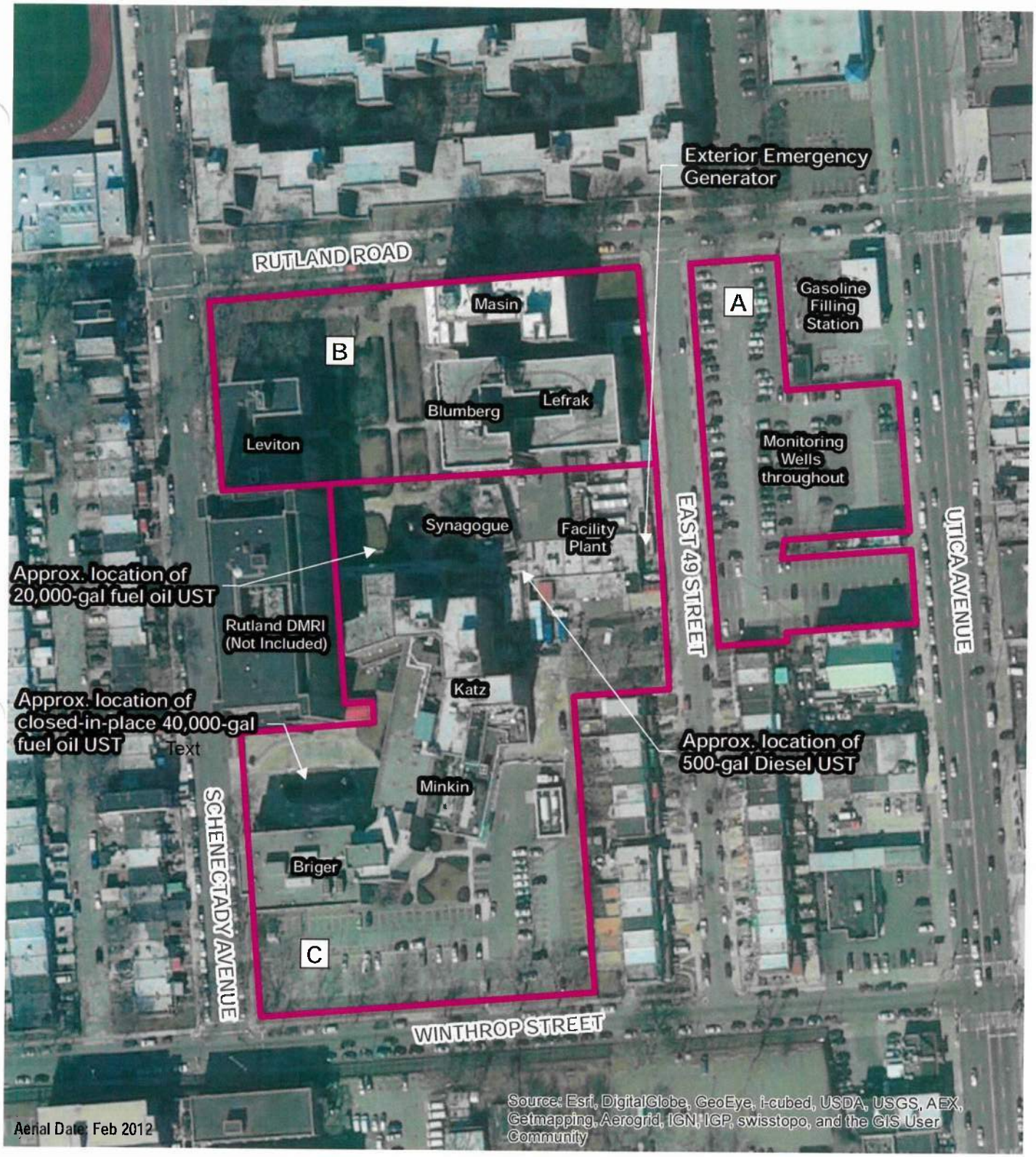
AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE
1/15/2014

PROJECT No.
11876

FIGURE
1

© 2013 AKRF, Inc. Environmental Consultants \\Nycfiles\gis\Projects\11876 - KINGSBROOK JEWISH MEDICAL CTR\11876 Fig 1 Loc ... mxd



Legend

Project Site Boundary

0 50 100 200

Feet

ingsbrook Jewish Medical Center
Brooklyn, New York

SITE PLAN

AKRF

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

DATE 1/15/2014

PROJECT No. 11876

FIGURE 2

©2014 AKRF, Inc. Environmental Consultants \\Nycfiles\gis\Projects\11876 - KINGSBROOK JEWISH MEDICAL CTR\11876 Fig 2 Site Plan.mxd

APPENDIX A

PHOTOGRAPHIC DOCUMENTATION



Photograph 1: Masin and Blumberg Buildings.



Photograph 2: Leviton Building.



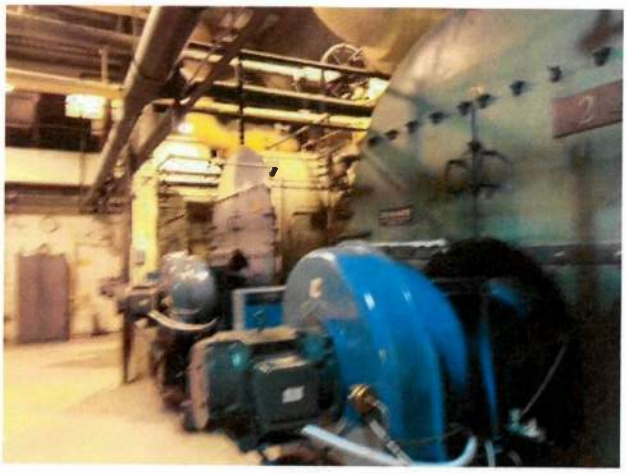
Photograph 3: Typical paints and cleaning products within the Blumberg maintenance shops.



Photograph 4: Biological waste storage accumulation area (typ) within the Masin Building.



Photograph 5: Air handling equipment in the Leviton basement.



Photograph 6: Boiler room located within the Facilities Plant.



Photograph 7: Water treatment chemicals within the Facilities Plant boiler room.



Photograph 8: Approximately 550-gallon concrete-encased diesel tank on the southwestern portion of the Facilities Plant.



Photograph 9: Biological and solid waste dumpsters located south of the Facilities Plant.



Photograph 10: Emergency generator located east of the Facilities Plant.



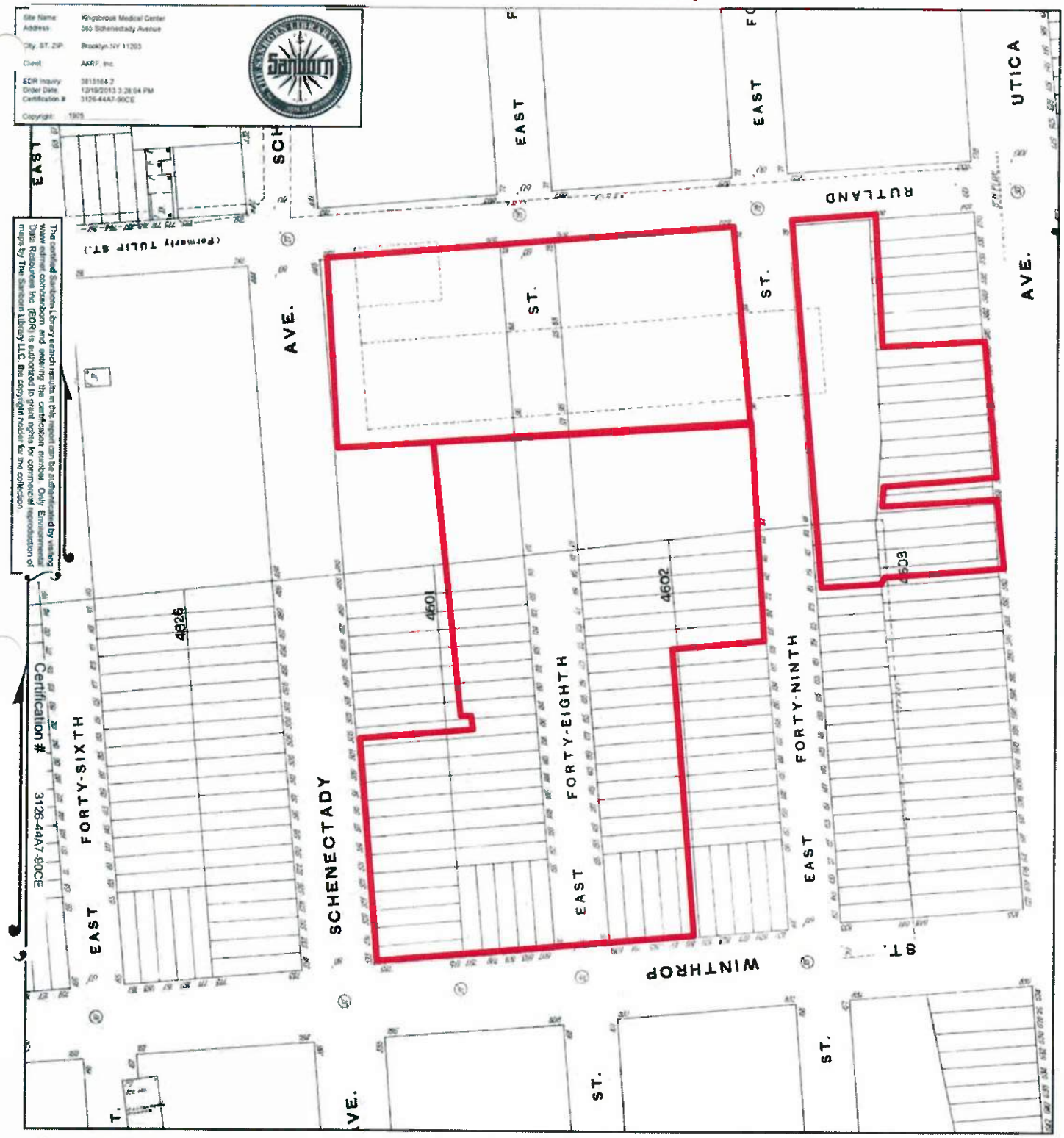
Photograph 11: Tank manway for a fuel oil UST located on the southwestern portion of the campus.



Photograph 12: Monitoring well located within the Utica Avenue parking lot.

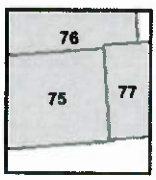
APPENDIX B
HISTORIC SANBORN MAPS

1905 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



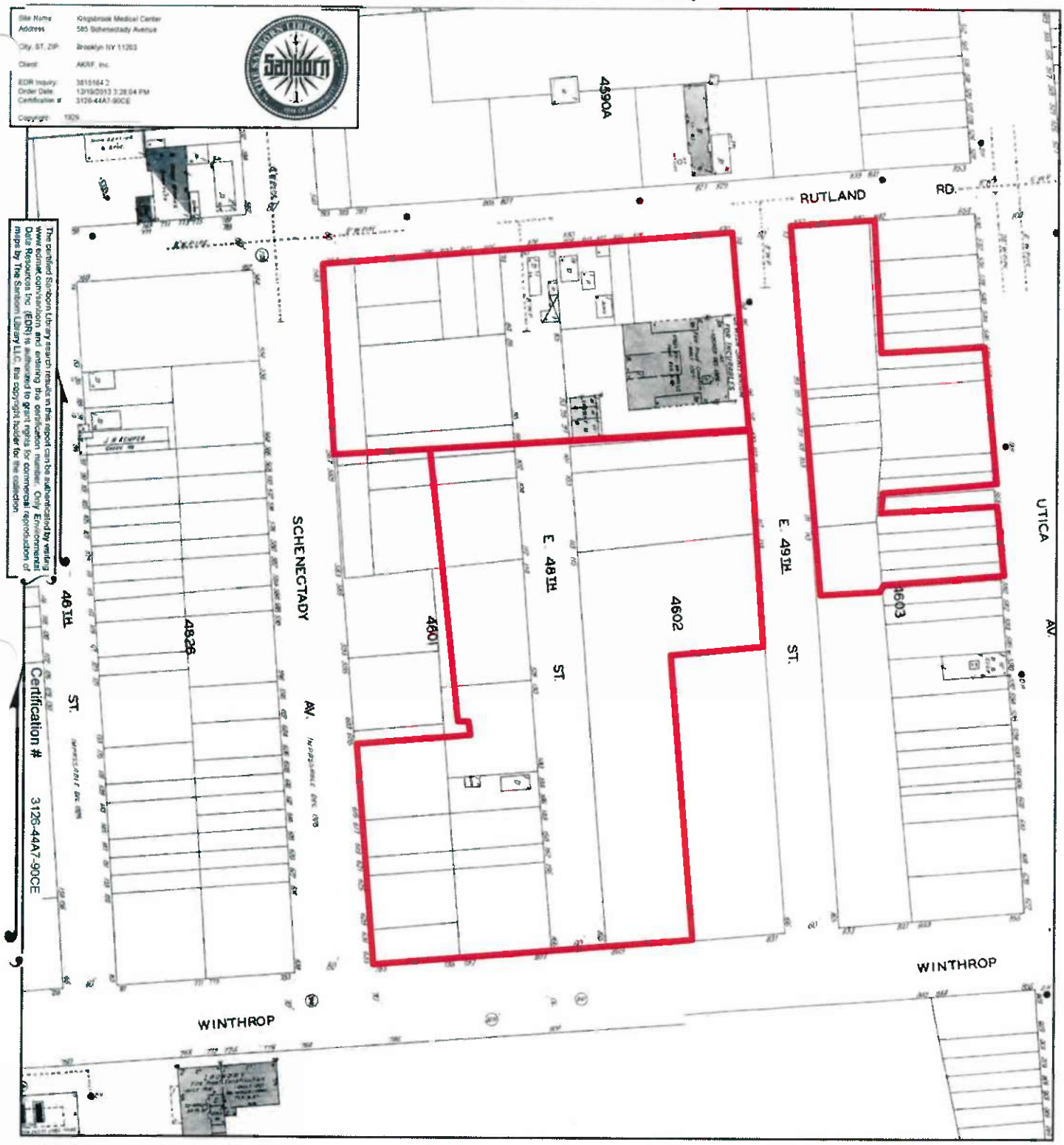


Volume 10, Sheet 75
Volume 10, Sheet 76
Volume 10, Sheet 77

0 Feet 150 300 600

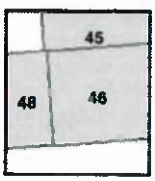
N

1929 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



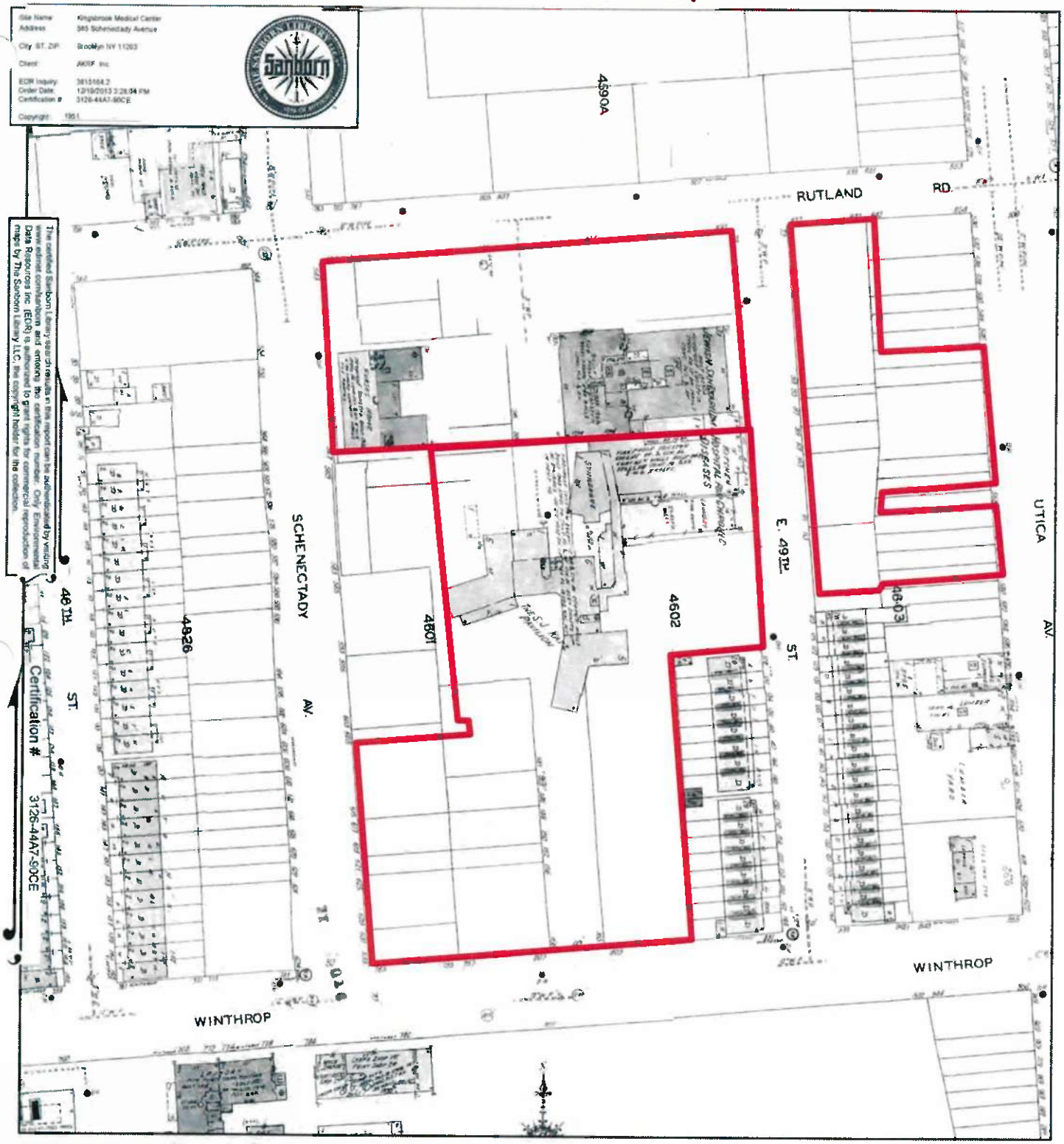


Volume 10, Sheet 45
Volume 10, Sheet 46
Volume 10, Sheet 48

0 Feet 150 300 600

N

1951 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



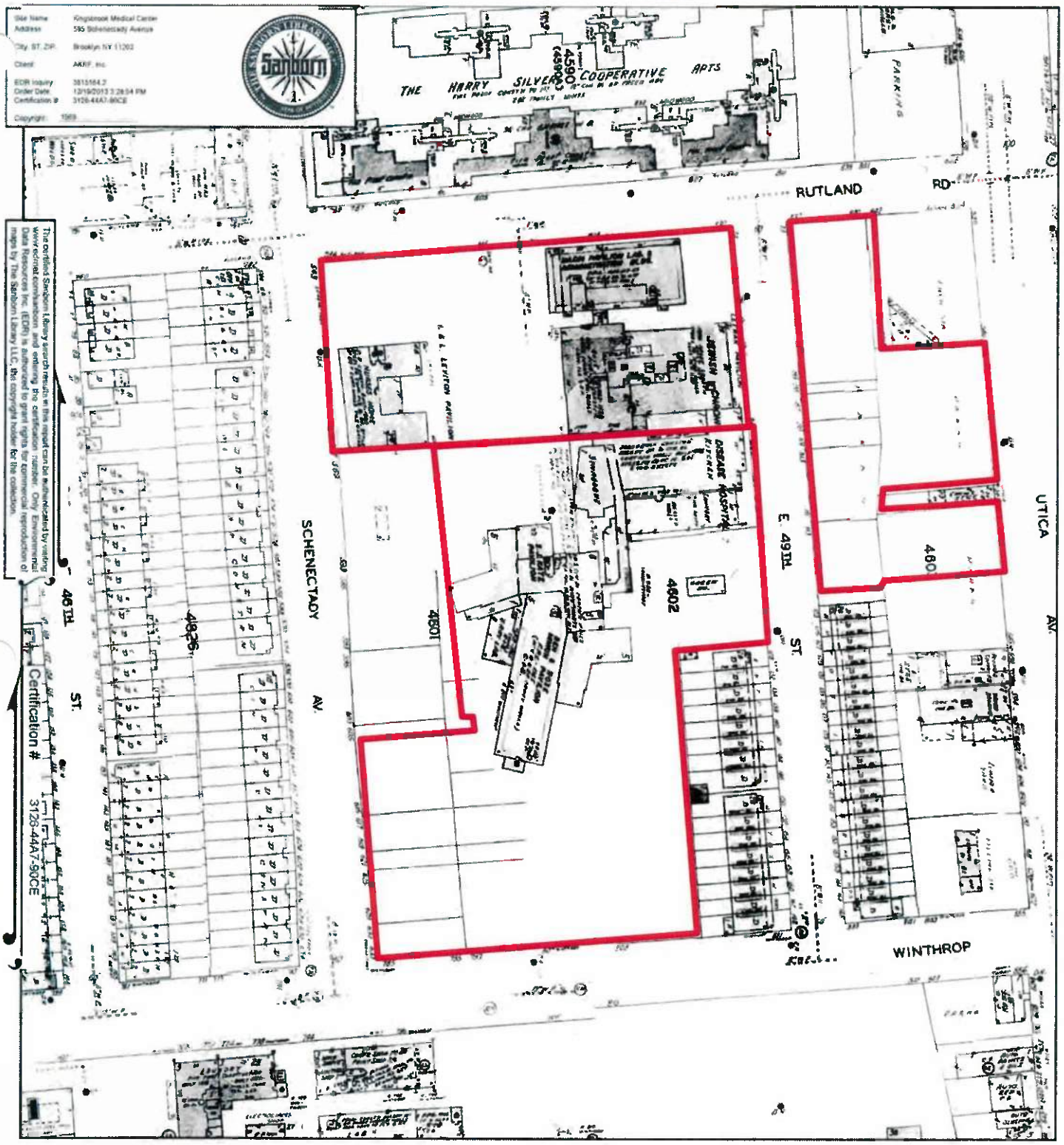


Volume 10, Sheet 45
Volume 10, Sheet 46
Volume 10, Sheet 48

0 Feet 150 300 600

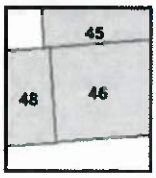
N

1969 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



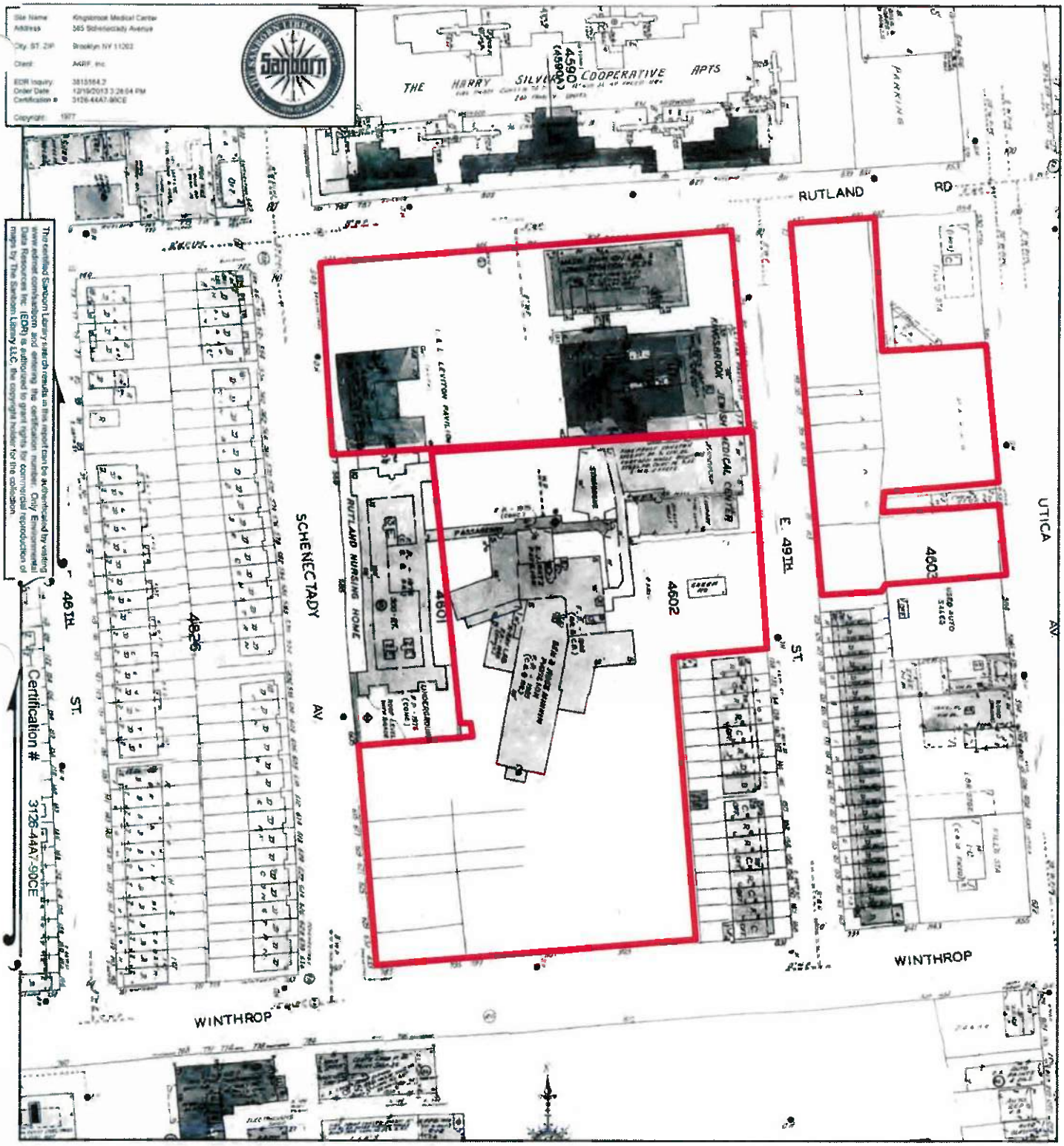


Volume 10, Sheet 45
Volume 10, Sheet 46
Volume 10, Sheet 48

0 Feet 150 300 600

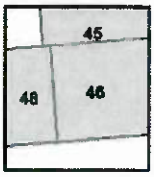
N

1977 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



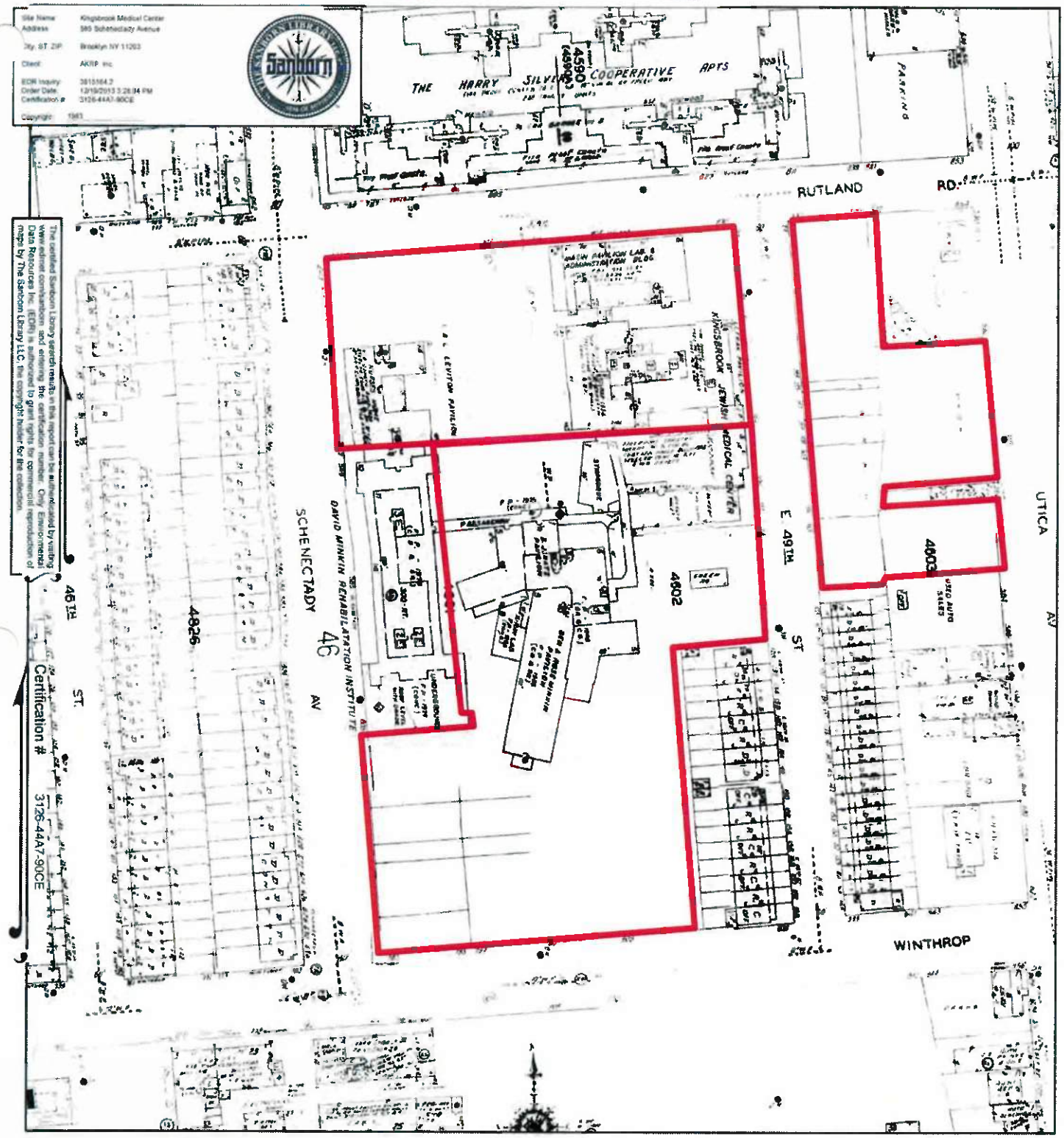


Volume 10, Sheet 45
Volume 10, Sheet 46
Volume 10, Sheet 48

0 Feet 150 300 600

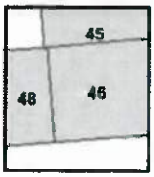
N

1983 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



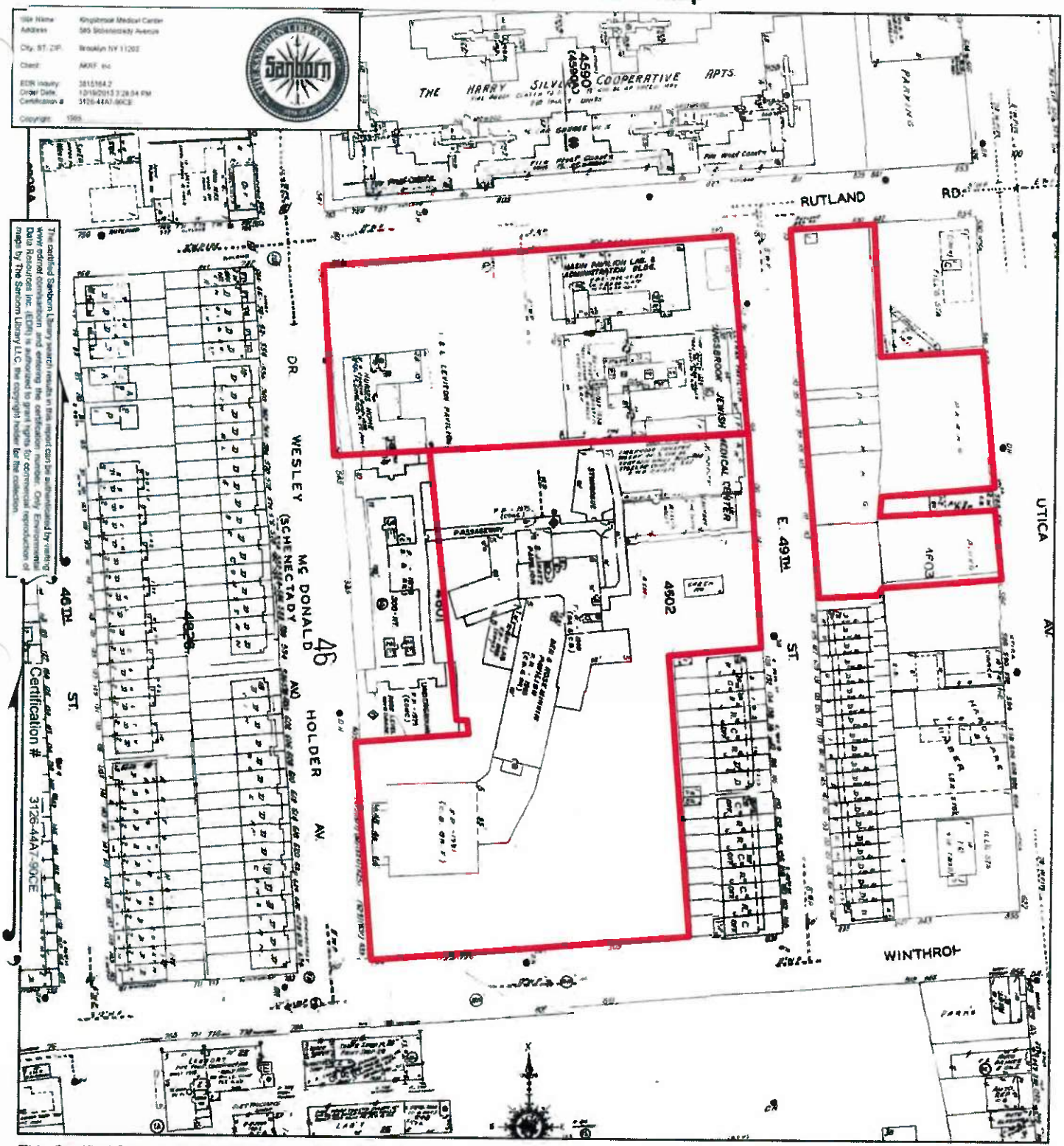


Volume 10, Sheet 45
Volume 10, Sheet 46
Volume 10, Sheet 48

0 Feet 150 300 600

N

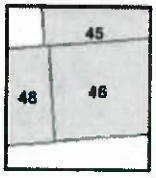
1995 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



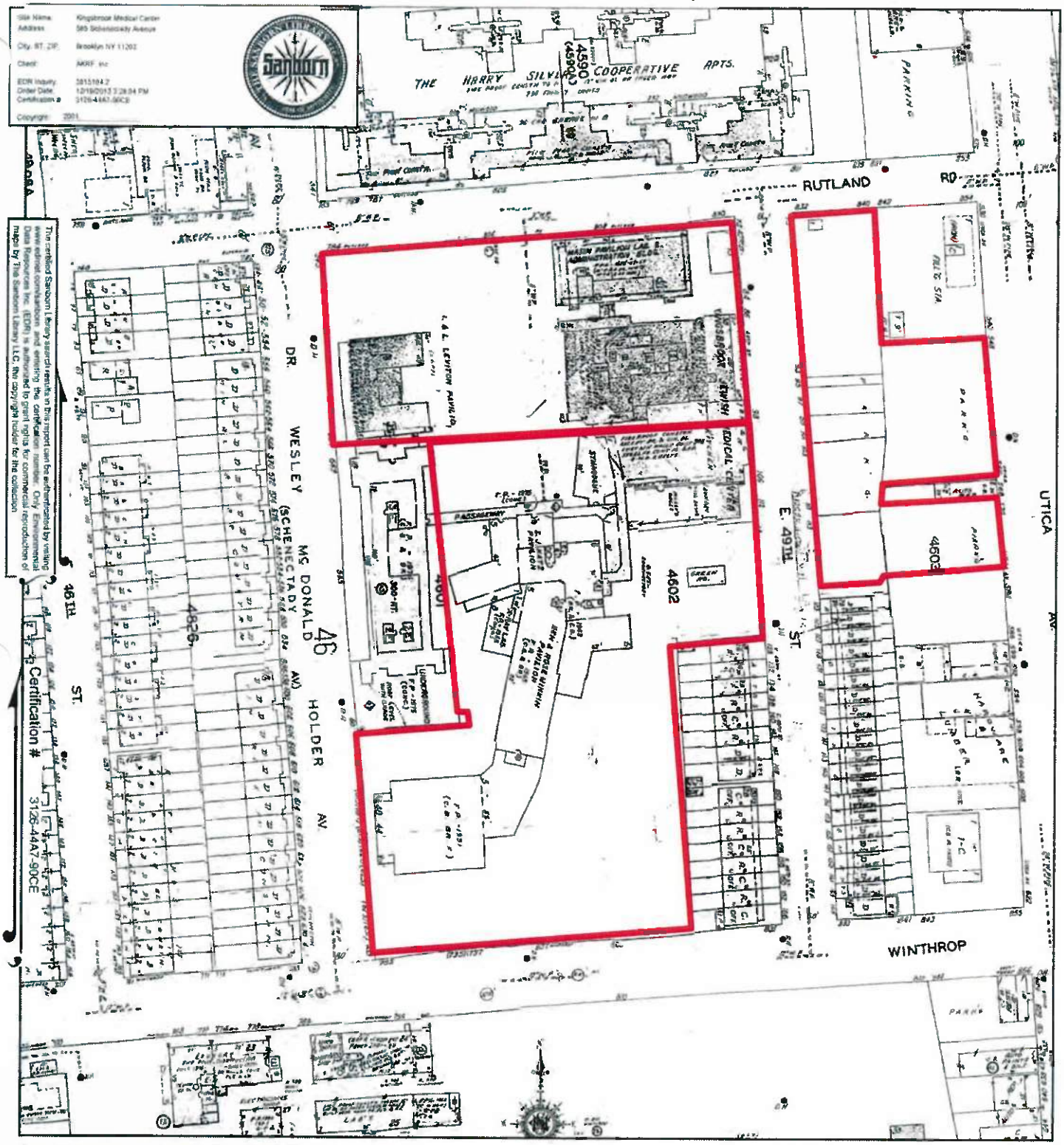


Volume 10, Sheet 45
Volume 10, Sheet 46
Volume 10, Sheet 48
Volume 10, Sheet 45
Volume 10, Sheet 46

Volume 10, Sheet 48

N

2001 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



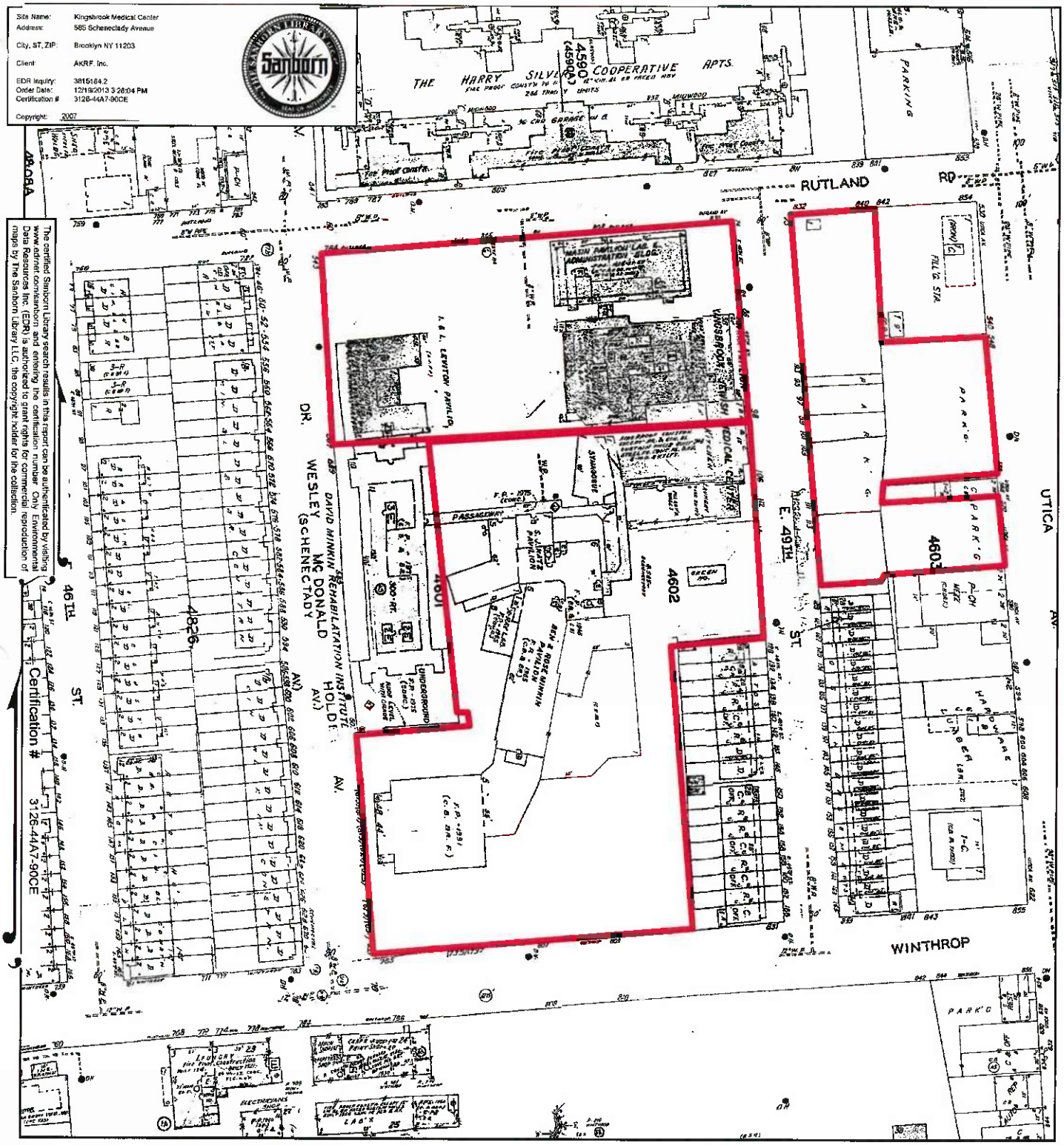


Volume 10, Sheet 45
Volume 10, Sheet 46
Volume 10, Sheet 48

0 Feet 150 300 600

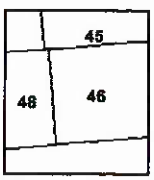
N

2007 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.





Volume 10, Sheet 45
Volume 10, Sheet 46
Volume 10, Sheet 48

0 Feet 150 300 600

N

APPENDIX C
REGULATORY DATABASE REPORT

APPENDIX D
CITY DIRECTORIES REPORT
LOCAL RECORDS

TOXICS TARGETING

PHASE I
ENVIRONMENTAL DATABASE REPORT

KINGSBROOK MEDICAL CENTER
BROOKLYN, NY 11203

DECEMBER 20, 2013

PRIVILEGED AND CONFIDENTIAL

LIMITED WARRANTY AND DISCLAIMER OF LIABILITY

Who is Covered

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

What is Warranted

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

What We Will Do

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

What We Won't Cover

Toxics Targeting, Inc. has not and can not verify the accuracy, correctness or completion of the information contained in this Report. Information is obtained from government agencies, site owners, and other sources, and errors are common in such information. Because Toxics Targeting, Inc. can not control the accuracy of the information contained in this Report, or the uses which may be made of the information, TOXICS TARGETING, INC. DISCLAIMS LIABILITY TO ANYONE FOR ANY EVENTS ARISING OUT OF THE USE OF THE INFORMATION. TOXICS TARGETING, INC. SHALL NOT BE LIABLE FOR ANY DAMAGE CAUSED BY THIS REPORT, WHETHER DIRECT OR INDIRECT, AND WHETHER OR NOT TOXICS TARGETING, INC. HAS BEEN ADVISED OF OR HAS KNOWLEDGE OF THE POSSIBILITY OF SUCH DAMAGES. TOXICS TARGETING, INC. EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

Period of Warranty

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

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

Table of Contents

Introduction 1

- *The Three Sections of Your Report*
- *How to Use Your Report*
- *Toxic Site Databases Analyzed In Your Report*
- *Limitations Of the Information In Your Report*

Section One: Your Report Summary 7

- *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*

Section Two: Toxic Site Profiles

Section Three: Appendices

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

© Toxics Targeting, Inc. 2013

Introduction

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

1. ***Maps*** the approximate locations of selected government-reported toxic sites identified on or near a specified target address.

2. ***Estimates*** the distance and direction between the target address and each identified toxic site.

3. ***Reports*** air and water permit non-compliance and other regulatory violations.

4. ***Profiles*** some aspects of the usage, manufacture, storage, handling, transport or disposal of toxic chemicals at individual sites.

5. ***Summarizes*** some potential health effect information and drinking water standards for selected chemicals reported at individual sites.

The Three Sections Of Your Report

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

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

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

How to Use Your Report

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

Toxic Site Databases Analyzed In Your Report

Search Radius

One-Mile 

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

Half-Mile 

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

One-Mile 

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

One-Mile 

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

One-Mile 

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

Half-Mile 

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

Half-Mile 

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

Half-Mile 

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

Half-Mile 

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

Half-Mile 

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

Half-Mile 

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

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

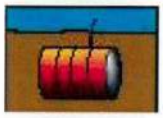
Half-Mile 

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

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

Eighth-Mile 

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

Eighth-Mile 

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

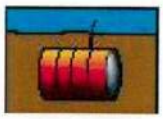
Eighth-Mile 

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

Eighth-Mile 

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

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

Eighth-Mile 

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

Eighth-Mile 

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

Half-Mile 

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

Eighth-Mile 

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

Eighth-Mile 

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

Eighth-Mile 

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

Eighth-Mile 

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

On-site only (250 ft) 

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

Property only 

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

Limitations Of The Information In Your Report

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

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. 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	0	1	1
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	0	Not searched	0
Environmental Restoration Program	0	0	0	0	Not searched	0
Brownfield Cleanup Program	0	0	0	0	Not searched	0
NYSDEC Solid Waste Facilities / Landfills	0	0	0	0	Not searched	0
RCRA Hazardous Waste Treatment, Storage, Disposal Sites	0	0	0	0	Not searched	0
NYS Toxic Spills						
Active Tank Failures	0	0	0	0	Not searched	0
Active Tank Test Failures	0	1	2	0	Not searched	3
Active Spills – Unknown / Other Causes	0	2	1	2	Not searched	5
tive Spills – Miscellaneous Causes	0	1	0(2)	1(2)	Not searched	2(4)
osed Tank Failures	0	2	1	12	Not searched	15
Closed Tank Test Failures	0	1	10	12	Not searched	23
Closed Spills – Unknown / Other Causes	1	8	24	40	Not searched	73
Closed Spills – Miscellaneous Causes	1	7	2(27)	10(72)	Not searched	20(99)
ASTM-Required Property & Adjacent Property (1/8 Mile Search)						
NYS Major Oil Storage Facilities	0	0	Not searched	Not searched	Not searched	0
Local & State Petroleum Bulk Storage Sites	1	18	Not searched	Not searched	Not searched	19
RCRA Hazardous Waste Generators & Transporters	1	16	Not searched	Not searched	Not searched	17
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*	0	0	Not searched	Not searched	Not searched	0
Emergency Response Notification System (ERNS)	0	Not searched	Not searched	Not searched	Not searched	0
Institutional Controls / Engineering Controls (IC/EC)	See databases for NPL, CERCLIS, Inactive Hazardous Waste Disposal Site Registry and Brownfield Sites.					
ASTM-Required Databases Distance Interval Totals	**4**	**56**	**40(29)**	**77(74)**	**1**	**178(103)**

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

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

NOTE: Table continues on next page.

Non-ASTM Databases 1/2 Mile Search						
1934 NYC Municipal Waste Landfills	0	0	0	0	Not searched	0
Hazardous Substance Waste Disposal Sites	0	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	2	5	Not searched	Not searched	Not searched	7
Civil & Administrative Enforcement Docket Facilities	0	0	Not searched	Not searched	Not searched	0
Non-ASTM Databases Distance Interval Totals	**2**	**5**	**0**	**0**	**Not Searched**	**7**
Distance Interval Totals	***6***	***61***	***40(29)***	***77(74)***	***1***	***185(103)***

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

Kingsbrook Medical Center
Brooklyn, NY 11203

* 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
50	MANHOLE 69180	E 49TH ST/WINTHROP ST	0 feet	Closed Status Spill (Unk/Other Cause)
123	154 E 49TH ST	M. FELSENSTEIN 154 E 49ST	0 feet	Closed Status Spill (Misc. Spill Cause)
143	KINGSBROOK JEWISH MEDICAL CENTER	585 SCHENECTADY AVENUE	0 feet	Petroleum Bulk Storage Site
162	KINGSBROOK JEWISH MEDICAL CTR	585 SCHENECTADY DR	0 feet	Hazardous Waste Generator/Transporter
179	HOSPITAL-KINGSBROOK JEWISH MED CTR	585 SCHENECTADY AVE	0 feet	Air Discharge Site
180	RUTLAND NURSING HOME	585 SCHENETADY AVE	0 feet	Air Discharge 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
144	HARRY SILVER HOUSING CO.	828 MIDWOOD STREET	166 feet to the N*	Petroleum Bulk Storage Site
1	SUNOCO SERVICE STATION	482 UTICA AVE	443 feet to the NNE	Hazardous Waste Generator/Transporter
154	UTICA ENTERPRISES	482-504 UTICA AVENUE	457 feet to the NNE	Petroleum Bulk Storage Site
155	ROBIN AUTO SERVICES	482 UTICA AVENUE	457 feet to the NNE	Petroleum Bulk Storage Site
129	DRUM RUN	831 MAPLE ST	563 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
173	WEINBERG GRETA	471 UTICA AVENUE	575 feet to the NNE	Hazardous Waste Generator/Transporter
174	NYNEX	UTICA & MAPLE AVE	602 feet to the NNE	Hazardous Waste Generator/Transporter
5	HESS-MERIT STATION 32534	530 UTICA AVENUE	171 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
27	530 UTICA AVE/BKLYN/MERIT	530 UTICA AVENUE	171 feet to the NE*	Closed Status Tank Test Failure
124	HESS 32534	530 UTICA AVE	171 feet to the NE*	Closed Status Spill (Misc. Spill Cause)
163	MERIT OIL CORP	530-546 UTICA AVE	176 feet to the NE*	Hazardous Waste Generator/Transporter
147	HESS 32534	530-546 UTICA AVENUE	187 feet to the NE*	Petroleum Bulk Storage Site
181	MERIT	530-546 UTICA AVE	194 feet to the NE*	Air Discharge Site
164	RITE AID #3855	506-528 UTICA AVE	211 feet to the NE	Hazardous Waste Generator/Transporter
51	MANHOLE 41671	UTICA AVE/RUTLAND RD	281 feet to the NE	Closed Status Spill (Unk/Other Cause)
52	VAULT 3016	RUTLEND RD/UTICA AVE	281 feet to the NE	Closed Status Spill (Unk/Other Cause)
165	CONSOLIDATED EDISON	MH41671-UTICA AVE & RUTLAND RD	281 feet to the NE	Hazardous Waste Generator/Transporter
166	R&S STRAUSS	519-22 UTICA AVE	288 feet to the NE	Hazardous Waste Generator/Transporter
170	R & S STRAUSS	519-29 UTICA AVE	382 feet to the NE	Hazardous Waste Generator/Transporter
150	R & S STRAUSS ASSOC	519 UTICA AVE	398 feet to the NE	Petroleum Bulk Storage Site
6	BP AMOCO STATION #655	529 UTICA AVENUE	426 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
53	AMOCO	529 UTICA AVENUE	426 feet to the ENE	Closed Status Spill (Unk/Other Cause)
127	AMOCO GAS	529 UTICA AVE/GLENWOOD RD	426 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
171	TACOMA OIL	529 UTICA AVE	428 feet to the ENE	Hazardous Waste Generator/Transporter
151	BP/AMOCO SERVICE STATION	529 UTICA AVENUE	433 feet to the ENE	Petroleum Bulk Storage Site

152	AMOCO SERVICE STATION SS#655	529 UTICA AVE.	433 feet to the ENE	Petroleum Bulk Storage Site
153	TACOMA OIL CORP	529 UTICA AVE	433 feet to the ENE	Petroleum Bulk Storage Site
183	AMOCO	529 UTICA AVE	435 feet to the ENE	Air Discharge Site
125	SPILL NUMBER 0103603	IFO 575 UTICA AVE	373 feet to the E	Closed Status Spill (Misc. Spill Cause)
126	575 UTICA AVE	575 UTICA AVE	373 feet to the E	Closed Status Spill (Misc. Spill Cause)
169	AUTOZONE # 5279	575 UTICA AVE	378 feet to the E	Hazardous Waste Generator/Transporter
145	U AND W PETROLEUM INC.	610 UTICA AVENUE	182 feet to the ESE*	Petroleum Bulk Storage Site
146	R GAS INC	610 UTICA AVE	182 feet to the ESE*	Petroleum Bulk Storage Site
149	MAVIS DISCOUNT TIRE	611 UTICA AVE	389 feet to the ESE	Petroleum Bulk Storage Site
182	UTTICA PETROLEUM	611 UTICA AVENUE	395 feet to the ESE	Air Discharge Site
57	155 EAST 51ST STREET	155 EAST 51ST STREET	638 feet to the ESE	Closed Status Spill (Unk/Other Cause)
58	RESIDENCE	155 EAST 51ST STREET	638 feet to the ESE	Closed Status Spill (Unk/Other Cause)
160	155 E. 51 ST.	155 EAST 51ST STREET	655 feet to the ESE	Petroleum Bulk Storage Site
161	JOSEPH ST ROSE	155 E 51 ST	655 feet to the ESE	Petroleum Bulk Storage Site
148	COYS AUTO REPAIRS	640 UTICA AVENUE	240 feet to the SE	Petroleum Bulk Storage Site
167	CONSOLIDATED EDISON MH63845	MH63845 654 UTICA AVE	338 feet to the SE	Hazardous Waste Generator/Transporter
168	CON EDISON	654 UTICA AVE	338 feet to the SE	Hazardous Waste Generator/Transporter
159	835 CLARKSON AVE	835 CLARKSON AVE	651 feet to the SE	Petroleum Bulk Storage Site
156	GREAT BEAR AUTO	680 UTICA AVENUE	507 feet to the SSE	Petroleum Bulk Storage Site
158	TROTTA SERVICE STATION INC.	684 UTICA AVENUE	582 feet to the SSE	Petroleum Bulk Storage Site
130	SUNY BROOKLYN BOILER ROOM	760 CLARKSON AVE	656 feet to the S	Closed Status Spill (Misc. Spill Cause)
184	KINGSBORO PSYCHIATRIC CENTER	681 CLARKSON AVENUE	565 feet to the SW	Air Discharge Site
[illegible]	KINGSBORO PSYCH CTR	681 CLARKSON AVE	565 feet to the SW	Air Discharge Site
[illegible]	KINGSBORO PSYCHIATRIC CENTER	681 CLARKSON AVENUE	580 feet to the SW	Petroleum Bulk Storage Site
2	KINGSBORO PSYCH. HOSPITAL TTF	681 CLARKSON AVE	593 feet to the SW	Active Tank Test Failure
10	KINGSBORO PSYCH CENTER	681 CLARKSON AVE, BLDG 1	593 feet to the SW	Active Haz Spill (Misc. Spill Cause)
12	KINGSBORO PSYCH CENTER	681 CLARKSON AVE	593 feet to the SW	Closed Status Tank Failure
13	681 CLARKSON AVE	681 CLARKSON AVE	593 feet to the SW	Closed Status Tank Failure
55	681 CLARKSON AVE/KINGSBOR	681 CLARKSON AVE/KINGSBOR	593 feet to the SW	Closed Status Spill (Unk/Other Cause)
56	KINGSBORO PSYCH CENTER TTF	681 CLARKSON AVE	593 feet to the SW	Closed Status Spill (Unk/Other Cause)
175	NEW YORK STATE PSYCHIATRIC CTR	KINGSBOROUGH- 681 CLARKSON AVE	612 feet to the SW	Hazardous Waste Generator/Transporter
176	NYC DEPT HOMELESS SERV KINGS PSYCH CTR	681 CLARKSON AVE BLDG 8	612 feet to the SW	Hazardous Waste Generator/Transporter
177	NYC DEPT OF HOMELESS SVCS	681 CLARKSON AVE	612 feet to the SW	Hazardous Waste Generator/Transporter
178	KINGSBORO PSYCHIATRIC CENTER	681 CLARKSON AVENUE-BLDG 21	612 feet to the SW	Hazardous Waste Generator/Transporter
128	RESIDENCE	135 EAST 45T ST	451 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
54	NYCSCA - OLD BOYS HIGH SCHOOL	708 MAPLE STREET	536 feet to the NW	Closed Status Spill (Unk/Other Cause)

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
59	MANHOLE 21673	888-890 E NY AVE	705 feet to the N	Closed Status Spill (Unk/Other Cause)

60	KELLER RESIDENCE	866 E. NEW YORK AVE	706 feet to the N	Closed Status Spill (Unk/Other Cause)
67	MH 1046	887 EAST NEW YORK AVE	947 feet to the N	Closed Status Spill (Unk/Other Cause)
68	MH2573	887 EAST NEW YORK AVE	947 feet to the N	Closed Status Spill (Unk/Other Cause)
72	BOX 23494	840 LEFFITZ AVE	995 feet to the N	Closed Status Spill (Unk/Other Cause)
83	950 MONTGOMERY ST	950 MONTGOMERY AVE	1349 feet to the N	Closed Status Spill (Unk/Other Cause)
99	MANHOLE 2986	CROWN ST & SCHENECTADY AVE	1801 feet to the N	Closed Status Spill (Unk/Other Cause)
108	EXCAVATION	1622 PRESIDENT STREET	2346 feet to the N	Closed Status Spill (Unk/Other Cause)
3	UTICA TAXI CTR TTF	465 UTICA AVE	680 feet to the NNE	Active Tank Test Failure
131	UTICA TAXI CENTER	465 UTICA AVE	680 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
65	MANHOLE 65792	EAST NY /AVE REMSEN AVE	941 feet to the NNE	Closed Status Spill (Unk/Other Cause)
66	MANHOLE # 32500	REMSEN AVE/ EAST NY AVE	941 feet to the NNE	Closed Status Spill (Unk/Other Cause)
75	MH 63395	UTICA AVE AND EMPIRE BLVD	1122 feet to the NNE	Closed Status Spill (Unk/Other Cause)
84	MANHOLE 43564	UTICA AV / MONTGOMERY ST	1406 feet to the NNE	Closed Status Spill (Unk/Other Cause)
85	MANHOLE #43564	UTICA AV & MONTGOMERY ST	1406 feet to the NNE	Closed Status Spill (Unk/Other Cause)
90	MANHOLE #68511	MONTGOMERY ST & EAST NY AVE	1565 feet to the NNE	Closed Status Spill (Unk/Other Cause)
91	4 FAMILY HOUSE	1037 MONTGOMERY STREET	1573 feet to the NNE	Closed Status Spill (Unk/Other Cause)
97	MANHOLE #2366	E NEW YORK AVE/ROCHESTER	1758 feet to the NNE	Closed Status Spill (Unk/Other Cause)
98	MANHOLE TM2366	E NEW YORK AVE/ROCHESTER	1758 feet to the NNE	Closed Status Spill (Unk/Other Cause)
40	836 CROWN ST	836 CROWN ST	1770 feet to the NNE	Closed Status Tank Test Failure
63	MANHOLE #32500	REMSEN AV @ E 51ST	804 feet to the NE	Closed Status Spill (Unk/Other Cause)
64	217591; 69 REMSEN AVE	69 REMSEN AVE	893 feet to the NE	Closed Status Spill (Unk/Other Cause)
78	SPILL NUMBER 0200846	97 EAST 91ST ST	1186 feet to the NE	Closed Status Spill (Unk/Other Cause)
7	RUTLAND TOWERS -NYCHA	955 RUTLAND RD	1253 feet to the NE	Active Haz Spill (Unknown/Other Cause)
34	RUTLAND TOWERS -NYCHA	955 RUTLAND RD	1253 feet to the NE	Closed Status Tank Test Failure
101	COMMERCIAL PROP.	1044 EAST NEW YORK AVEUNE	1944 feet to the NE	Closed Status Spill (Unk/Other Cause)
18	JOHNSON RESIDENCE	18 EAST 95TH STREET	2059 feet to the NE	Closed Status Tank Failure
	1070 EAST NEW YORK AVE	1070 EAST NEW YORK AVE	2240 feet to the NE	Closed Status Tank Failure
1	SERVICE BOX 17775	NEW YORK AV/BUFFALO AV	2594 feet to the NE	Closed Status Spill (Unk/Other Cause)
8	PVT DWELLING/APT BUILDING	950 RUTLAND RD	1341 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
89	123 EAST 92ND ST	123 EAST 92ND ST	1558 feet to the ENE	Closed Status Spill (Unk/Other Cause)
135	VAULT VS3167	RUTLAND RD AND EAST 93 ST	1662 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
21	RESIDENCE	100 EAST 96TH ST	2422 feet to the ENE	Closed Status Tank Failure
87	A PINT OF HYDRAULIC FLUILD IN EACH	REMSON AVE & WINTHROP STREET	1480 feet to the E	Closed Status Spill (Unk/Other Cause)
92	202 EAST 91 ST	202 EAST 91ST ST	1586 feet to the E	Closed Status Spill (Unk/Other Cause)
93	BLDG SUPER JIMMY HAYWARD	202 EAST 91ST ST	1586 feet to the E	Closed Status Spill (Unk/Other Cause)
100	MH5360	INFO 10-22 WINTHROP AV	1882 feet to the E	Closed Status Spill (Unk/Other Cause)
102	997 CLARKSON AVE	997 CLARKSON AVE	1962 feet to the E	Closed Status Spill (Unk/Other Cause)
110	SERVICE BOX #24272	224 E 94TH ST	2394 feet to the E	Closed Status Spill (Unk/Other Cause)
141	INOCENT RES.	1073 CLARKSON AVE	2604 feet to the E	Closed Status Spill (Misc. Spill Cause)
14	SPILL NUMBER 0109302	92 E 53TH ST	1017 feet to the ESE	Closed Status Tank Failure
31	KINGSBORO PSYCH	881 CLARKSON AVE	1021 feet to the ESE	Closed Status Tank Test Failure
73	SPILL NUMBER 0312418	114 EAST 53RD ST	1069 feet to the ESE	Closed Status Spill (Unk/Other Cause)
74	TM1598	E 53RD ST/WINTHROP ST	1090 feet to the ESE	Closed Status Spill (Unk/Other Cause)
32	CLOSED-LACKOF RECENT INFO	133 E. 53RD STREET	1239 feet to the ESE	Closed Status Tank Test Failure
33	CLOSED-LACKOF RECENT INFO	133 E. 53RD STREET	1239 feet to the ESE	Closed Status Tank Test Failure
11	WRIGHT HOME	68 EAST 56TH ST	2140 feet to the ESE	Active Haz Spill (Misc. Spill Cause)
112	MANHOLE #58411	LENOX ROAD & 57 STREET	2415 feet to the ESE	Closed Status Spill (Unk/Other Cause)
118	43 EAST 57TH STREET	43 EAST 57TH STREET	2561 feet to the ESE	Closed Status Spill (Unk/Other Cause)

107	86 E. 56TH STREET	86 E. 56TH STREET	2220 feet to the SE	Closed Status Spill (Unk/Other Cause)
137	PRIVATE RESIDENCE	218 EAST 54TH ST	2242 feet to the SE	Closed Status Spill (Misc. Spill Cause)
121	VS 3094	CHURCH/54TH ST	2626 feet to the SE	Closed Status Spill (Unk/Other Cause)
122	MANHOLE 18818	CHURCH AVE/E 54 ST	2626 feet to the SE	Closed Status Spill (Unk/Other Cause)
28	700 UTICA AVENUE. / BROOK	700 UTICA AVENUE	710 feet to the SSE	Closed Status Tank Test Failure
35	GOOD YEAR TIRE	741 UTICA AVE	1283 feet to the SSE	Closed Status Tank Test Failure
79	GASETERIA	756 UTICA AVENUE	1292 feet to the SSE	Closed Status Spill (Unk/Other Cause)
111	TRANSFORMER VAULT	UTICA AVE & CHURCH AVE	2415 feet to the SSE	Closed Status Spill (Unk/Other Cause)
115	FIVE GAL OIL FOUND IN MH 18814	CHURCH AVENUE & EAST 52 STREET	2424 feet to the SSE	Closed Status Spill (Unk/Other Cause)
140	SPILL NUMBER 9712734	5018 CHURCH AVE	2492 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
22	374 E52ND ST	374 E 52ND ST	2598 feet to the SSE	Closed Status Tank Failure
23	324 EAST 53RD ST/BKLYN	324 EAST 53RD STREET	2599 feet to the SSE	Closed Status Tank Failure
88	325 EAST 48TH STREET	325 EAST 48TH STREET	1514 feet to the S	Closed Status Spill (Unk/Other Cause)
39	CLOSED-LACKOF RECENT INFO	675 LINDEN AVENUE	1528 feet to the S	Closed Status Tank Test Failure
109	CHURCH AVE AND	SCHENECTADY AVE	2379 feet to the S	Closed Status Spill (Unk/Other Cause)
116	MANHOLE 61352 EMIS 218052	CHURCH AVE /45TH ST	2427 feet to the S	Closed Status Spill (Unk/Other Cause)
105	INFRONT OF	122 EAST 43ND ST	2121 feet to the SSW	Closed Status Spill (Unk/Other Cause)
20	134 EAST 42ND STREET	134 EAST 42ND STREET	2377 feet to the SSW	Closed Status Tank Failure
17	GURRIER RESIDENCE	576 LENOX RD	1868 feet to the SW	Closed Status Tank Failure
104	PRIVATE HOME	806 ALBANY AVE	2106 feet to the SW	Closed Status Spill (Unk/Other Cause)
136	PRIVATE RESIDENCE	806 ALBANY AVENUE	2106 feet to the SW	Closed Status Spill (Misc. Spill Cause)
138	497-505 LINDEN BLVD	497-505 LINDEN BLVD	2470 feet to the SW	Closed Status Spill (Misc. Spill Cause)
44	870 ALBANY AVE./ST.CATHER	870 ALBANY AVE.	2519 feet to the SW	Closed Status Tank Test Failure
\	TROY AVE & WINTHROP ST	RWY-TROY AV & WINTHROP ST	802 feet to the WSW	Closed Status Spill (Unk/Other Cause)
9	KINGS COUNTY HOSPITAL CSL	WINTHROPE AVE BLDG D	2621 feet to the WSW	Active Haz Spill (Unknown/Other Cause)
24	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW	Closed Status Tank Failure
25	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW	Closed Status Tank Failure
26	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW	Closed Status Tank Failure
45	KINGS CO HEALTH CENTER	451 CLARKSON AVENUE	2621 feet to the WSW	Closed Status Tank Test Failure
46	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW	Closed Status Tank Test Failure
47	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW	Closed Status Tank Test Failure
48	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW	Closed Status Tank Test Failure
49	KINGS CTY HOSPITAL	451 CLARKSON AVE	2621 feet to the WSW	Closed Status Tank Test Failure
142	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
1	K - FLATBUSH STATION A&B	NOSTRAND AVE, WINTHROP ST., NEW YORK & PARKSIDE AV	2933 feet to the WSW	NYSDEC Inactive Haz Waste Disposal Site
29	755 FENIMORE ST	755 FENIMORE ST	949 feet to the W	Closed Status Tank Test Failure
38	639 ALBANY AVENUE	639 ALBANY AVENUE	1445 feet to the W	Closed Status Tank Test Failure
76	IFO RESIDENCE	684 MAPLE STREET	1144 feet to the WNW	Closed Status Spill (Unk/Other Cause)
86	SPILL NUMBER 0403350	647 MIDWOOD ST	1406 feet to the WNW	Closed Status Spill (Unk/Other Cause)
94	MANHOLE #26981	NE CORNER ALBANY/MAPLE AV	1617 feet to the WNW	Closed Status Spill (Unk/Other Cause)
103	ON THE STREET 580 -574 MAPLE AVE	ON THE STREET 580 -574 MAPLE AVE	2075 feet to the WNW	Closed Status Spill (Unk/Other Cause)
69	VS6364	EAST SIDE AVE	948 feet to the NW	Closed Status Spill (Unk/Other Cause)
36	REID HOUSES -NYCHA	728 EAST NEW YORK AVE	1312 feet to the NW	Closed Status Tank Test Failure
37	REID APTS.	728 EAST NEW YORK AVE	1312 feet to the NW	Closed Status Tank Test Failure

132	NYCHA	728 EAST NEW YORK AVE.	1312 feet to the NW	Closed Status Spill (Misc. Spill Cause)
80	TM762	TROY AVE/LEFFERTS AVE	1315 feet to the NW	Closed Status Spill (Unk/Other Cause)
81	TM # 762	TROY AV & LEFFERTS AV	1315 feet to the NW	Closed Status Spill (Unk/Other Cause)
82	MANHOLE #762	TROY AVE/LEFFERTS AVE	1315 feet to the NW	Closed Status Spill (Unk/Other Cause)
16	WILLIAMS HOME	719 EAST NY AVE	1514 feet to the NW	Closed Status Tank Failure
61	MANHOLE 59318	IFO 854 E NY AVE	768 feet to the NNW	Closed Status Spill (Unk/Other Cause)
4	455 SCHENECTADY AVE	455 SCHENECTADY AVE	966 feet to the NNW	Active Tank Test Failure
70	455 SCHENECTADY AVE	455 SCHENECTADY AVE	966 feet to the NNW	Closed Status Spill (Unk/Other Cause)
30	456 SCHNECTADY AVE	456 SCHENECTADY AVE	975 feet to the NNW	Closed Status Tank Test Failure
71	VACANT LOT	801-817 EAST NEW YORK AVE	978 feet to the NNW	Closed Status Spill (Unk/Other Cause)
77	MANHOLE 2988	SCHENECTADY & EMPIRE BLVD	1159 feet to the NNW	Closed Status Spill (Unk/Other Cause)
15	PRIMARY SCHOOL 221	791 EMPIRE BOULEVARD	1453 feet to the NNW	Closed Status Tank Failure
133	PS 221	791 EMPIRE BOULEVARD	1453 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
134	APT BLDG	757 EMPIRE BLVD	1504 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
95	MANHOLE #3801	MONTGOMERY STREET & TROY AVE	1730 feet to the NNW	Closed Status Spill (Unk/Other Cause)
96	MH 3801	TROY AND MONTGOMERY ST	1730 feet to the NNW	Closed Status Spill (Unk/Other Cause)
106	NYNEX	1530 CARROLL STREET	2216 feet to the NNW	Closed Status Spill (Unk/Other Cause)
41	1504 CARROLL ST	1504 CARROLL ST	2394 feet to the NNW	Closed Status Tank Test Failure
42	1504 CARROLL ST	1504 CARROLL ST	2394 feet to the NNW	Closed Status Tank Test Failure
113	SIDEWALK SPILL	1588 PRESIDENT STREET	2419 feet to the NNW	Closed Status Spill (Unk/Other Cause)
114	SERVICE BOX 1792	1588 PRESIDENT STREET	2419 feet to the NNW	Closed Status Spill (Unk/Other Cause)
43	X	1500 CARROLL ST	2421 feet to the NNW	Closed Status Tank Test Failure
117	SB 31790	1568 PRESIDENT ST	2456 feet to the NNW	Closed Status Spill (Unk/Other Cause)
139	APARTMENT COMPLEX	1497 CARROLL STREET	2492 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
120	VAULT # VS3365 EMIS 217974	TROY AVE & PRESIDENT ST	2615 feet to the NNW	Closed Status Spill (Unk/Other Cause)

Identified Toxic Sites by Category

Kingsbrook Medical Center
Brooklyn, NY 11203

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

NYSDEC Inactive Haz. Waste Disposal Site Registry -- Total Sites - 1

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

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	224061	K - FLATBUSH STATION A&B	NOSTRAND AVE, WINTHROP ST., NEW YORK & PARKSIDE AV	3933 feet to the WSW

Active Tank Test Failures -- Total Sites - 3

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

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
2	1113509	KINGSBORO PSYCH. HOSPITAL TTF	681 CLARKSON AVE	593 feet to the SW
3	0909269	UTICA TAXI CTR TTF	465 UTICA AVE	680 feet to the NNE
4	9512435	455 SCHENECTADY AVE	455 SCHENECTADY AVE	966 feet to the NNW

Active Haz Spills (Unknown Causes & Other Causes) -- Total Sites - 5

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

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
5	9614292	HESS-MERIT STATION 32534	530 UTICA AVENUE	171 feet to the NE*
6	9309669	BP AMOCO STATION #655	529 UTICA AVENUE	426 feet to the ENE
7	9801630	RUTLAND TOWERS -NYCHA	955 RUTLAND RD	1253 feet to the NE
8	1010574	PVT DWELLING/APT BUILDING	950 RUTLAND RD	1341 feet to the ENE
9	0904786	KINGS COUNTY HOSPITAL CSL	WINTHROPE AVE BLDG D	2621 feet to the WSW

Active Haz Spills (Miscellaneous Spill Causes) -- Total Sites - 2

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

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
10	0803642	KINGSBORO PSYCH CENTER	681 CLARKSON AVE, BLDG 1	593 feet to the SW
	1000734	WRIGHT HOME	68 EAST 56TH ST	2140 feet to the ESE

Closed Status Tank Failures -- Total Sites - 15

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

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
12	9815152	KINGSBORO PSYCH CENTER	681 CLARKSON AVE	593 feet to the SW
13	9104301	681 CLARKSON AVE	681 CLARKSON AVE	593 feet to the SW
14	0109302	SPILL NUMBER 0109302	92 E 53TH ST	1017 feet to the ESE
15	0101807	PRIMARY SCHOOL 221	791 EMPIRE BOULEVARD	1453 feet to the NNW
16	0611627	WILLIAMS HOME	719 EAST NY AVE	1514 feet to the NW
17	0208758	GURRIER RESIDENCE	576 LENOX RD	1868 feet to the SW
18	0407245	JOHNSON RESIDENCE	18 EAST 95TH STREET	2059 feet to the NE
19	9803011	1070 EAST NEW YORK AVE	1070 EAST NEW YORK AVE	2240 feet to the NE
20	9414585	134 EAST 42ND STREET	134 EAST 42ND STREET	2377 feet to the SSW
21	0412336	RESIDENCE	100 EAST 96TH ST	2422 feet to the ENE
22	9907027	374 E52ND ST	374 E 52ND ST	2598 feet to the SSE
23	9002033	324 EAST 53RD ST/BKLYN	324 EAST 53RD STREET	2599 feet to the SSE
24	9914102	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW
25	8907015	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW
26	0002277	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW

Closed Status Tank Test Failures -- Total Sites - 23

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

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
27	8905879	530 UTICA AVE/BKLYN/MERIT	530 UTICA AVENUE	171 feet to the NE*
28	8701178	700 UTICA AVENUE. / BROOK	700 UTICA AVENUE	710 feet to the SSE
29	0012606	755 FENIMORE ST	755 FENIMORE ST	949 feet to the W
30	0510754	456 SCHNECTADY AVE	456 SCHENECTADY AVE	975 feet to the NNW
31	0811827	KINGSBORO PSYCH	881 CLARKSON AVE	1021 feet to the ESE

32	9300610	CLOSED-LACKOF RECENT INFO	133 E. 53RD STREET	1239 feet to the ESE
33	9012434	CLOSED-LACKOF RECENT INFO	133 E. 53RD STREET	1239 feet to the ESE
34	9102099	RUTLAND TOWERS -NYCHA	955 RUTLAND RD	1253 feet to the NE
35	0311667	GOOD YEAR TIRE	741 UTICA AVE	1283 feet to the SSE
36	9413242	REID HOUSES -NYCHA	728 EAST NEW YORK AVE	1312 feet to the NW
37	9009935	REID APTS.	728 EAST NEW YORK AVE	1312 feet to the NW
38	0303798	639 ALBANY AVENUE	639 ALBANY AVENUE	1445 feet to the W
39	8710713	CLOSED-LACKOF RECENT INFO	675 LINDEN AVENUE	1528 feet to the S
40	0211728	836 CROWN ST	836 CROWN ST	1770 feet to the NNE
41	9800420	1504 CARROLL ST	1504 CARROLL ST	2394 feet to the NNW
42	9800235	1504 CARROLL ST	1504 CARROLL ST	2394 feet to the NNW
43	0208651	X	1500 CARROLL ST	2421 feet to the NNW
44	8706207	870 ALBANY AVE./ST.CATHER	870 ALBANY AVE.	2519 feet to the SW
45	9812669	KINGS CO HEALTH CENTER	451 CLARKSON AVENUE	2621 feet to the WSW
46	9802131	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW
47	9111266	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW
48	9009624	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW
49	0800190	KINGS CTY HOSPITAL	451 CLARKSON AVE	2621 feet to the WSW

Closed Status Spills (Unknown Causes & Other Causes) -- Total Sites - 73 **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
50	0503541	MANHOLE 69180	E 49TH ST/WINTHROP ST	0 feet
51	0002745	MANHOLE 41671	UTICA AVE/RUTLAND RD	281 feet to the NE
52	0002394	VAULT 3016	RUTLEND RD/UTICA AVE	281 feet to the NE
53	9912292	AMOCO	529 UTICA AVENUE	426 feet to the ENE
54	0500932	NYCSCA - OLD BOYS HIGH SCHOOL	708 MAPLE STREET	536 feet to the NW
55	9103291	681 CLARKSON AVE/KINGSBOR	681 CLARKSON AVE/KINGSBOR	593 feet to the SW
[illegible]	0909709	KINGSBORO PSYCH CENTER TTF	681 CLARKSON AVE	593 feet to the SW
[illegible]	9709918	155 EAST 51ST STREET	155 EAST 51ST STREET	638 feet to the ESE
58	9709909	RESIDENCE	155 EAST 51ST STREET	638 feet to the ESE
59	9911635	MANHOLE 21673	888-890 E NY AVE	705 feet to the N
60	0702029	KELLER RESIDENCE	866 E. NEW YORK AVE	706 feet to the N
61	9910922	MANHOLE 59318	IFO 854 E NY AVE	768 feet to the NNW
62	9406809	TROY AVE & WINTHROP ST	RWY-TROY AV & WINTHROP ST	802 feet to the WSW
63	0201114	MANHOLE #32500	REMSEN AV @ E 51ST	804 feet to the NE
64	0914320	217591; 69 REMSEN AVE	69 REMSEN AVE	893 feet to the NE
65	0913581	MANHOLE 65792	EAST NY /AVE REMSEN AVE	941 feet to the NNE
66	0509055	MANHOLE # 32500	REMSEN AVE/ EAST NY AVE	941 feet to the NNE
67	0102058	MH 1046	887 EAST NEW YORK AVE	947 feet to the N
68	0102057	MH2573	887 EAST NEW YORK AVE	947 feet to the N
69	0409590	VS6364	EAST SIDE AVE	948 feet to the NW
70	8909263	455 SCHENECTADY AVE	455 SCHENECTADY AVE	966 feet to the NNW
71	0812258	VACANT LOT	801-817 EAST NEW YORK AVE	978 feet to the NNW
72	0001243	BOX 23494	840 LEFFITZ AVE	995 feet to the N
73	0312418	SPILL NUMBER 0312418	114 EAST 53RD ST	1069 feet to the ESE
74	0007589	TM1598	E 53RD ST/WINTHROP ST	1090 feet to the ESE
75	0310084	MH 63395	UTICA AVE AND EMPIRE BLVD	1122 feet to the NNE
76	1203104	IFO RESIDENCE	684 MAPLE STREET	1144 feet to the WNW
77	0201318	MANHOLE 2988	SCHENECTADY & EMPIRE BLVD	1159 feet to the NNW
78	0200846	SPILL NUMBER 0200846	97 EAST 91ST ST	1186 feet to the NE
79	9312950	GASETERIA	756 UTICA AVENUE	1292 feet to the SSE
80	9811625	TM762	TROY AVE/LEFFERTS AVE	1315 feet to the NW
81	9810783	TM # 762	TROY AV & LEFFERTS AV	1315 feet to the NW

82	9810501	MANHOLE #762	TROY AVE/LEFFERTS AVE	1315 feet to the NW
83	9411226	950 MONTGOMERY ST	950 MONTGOMERY AVE	1349 feet to the N
84	0004688	MANHOLE 43564	UTICA AV / MONTGOMERY ST	1406 feet to the NNE
85	0002560	MANHOLE #43564	UTICA AV & MONTGOMERY ST	1406 feet to the NNE
86	0403350	SPILL NUMBER 0403350	647 MIDWOOD ST	1406 feet to the WNW
87	0702512	A PINT OF HYDRAULIC FLUILD IN EACH	REMSON AVE & WINTHROP STREET	1480 feet to the E
88	9210041	325 EAST 48TH STREET	325 EAST 48TH STREET	1514 feet to the S
89	9508863	123 EAST 92ND ST	123 EAST 92ND ST	1558 feet to the ENE
90	0910528	MANHOLE #68511	MONTGOMERY ST & EAST NY AVE	1565 feet to the NNE
91	0408581	4 FAMILY HOUSE	1037 MONTGOMERY STREET	1573 feet to the NNE
92	0201233	202 EAST 91 ST	202 EAST 91ST ST	1586 feet to the E
93	0201215	BLDG SUPER JIMMY HAYWARD	202 EAST 91ST ST	1586 feet to the E
94	9814697	MANHOLE #28981	NE CORNER ALBANY/MAPLE AV	1617 feet to the WNW
95	0603402	MANHOLE #3801	MONTGOMERY STREET & TROY AVE	1730 feet to the NNW
96	0508976	MH 3801	TROY AND MONTGOMERY ST	1730 feet to the NNW
97	0012261	MANHOLE #2366	E NEW YORK AVE/ROCHESTER	1758 feet to the NNE
98	0008718	MANHOLE TM2366	E NEW YORK AVE/ROCHESTER	1758 feet to the NNE
99	0202471	MANHOLE 2986	CROWN ST & SCHENECTADY AVE	1801 feet to the N
100	0003126	MH5360	INFO 10-22 WINTHROP AV	1882 feet to the E
101	0403661	COMMERCIAL PROP.	1044 EAST NEW YORK AVEUNE	1944 feet to the NE
102	9708569	997 CLARKSON AVE	997 CLARKSON AVE	1962 feet to the E
103	1011486	ON THE STREET 580 -574 MAPLE AVE	ON THE STREET 580 -574 MAPLE AVE	2075 feet to the WNW
104	0711365	PRIVATE HOME	806 ALBANY AVE	2106 feet to the SW
105	9815119	INFRONT OF	122 EAST 43ND ST	2121 feet to the SSW
106	0330051	NYNEX	1530 CARROLL STREET	2216 feet to the NNW
107	9504722	86 E. 56TH STREET	86 E. 56TH STREET	2220 feet to the SE
108	0502590	EXCAVATION	1622 PRESIDENT STREET	2346 feet to the N
	0006458	CHURCH AVE AND	SCHENECTADY AVE	2379 feet to the S
.	9907074	SERVICE BOX #24272	224 E 94TH ST	2394 feet to the E
111	0514679	TRANSFORMER VAULT	UTICA AVE & CHURCH AVE	2415 feet to the SSE
112	0601073	MANHOLE #58411	LENOX ROAD & 57 STREET	2415 feet to the ESE
113	0550896	SIDEWALK SPILL	1588 PRESIDENT STREET	2419 feet to the NNW
114	0503460	SERVICE BOX 1792	1588 PRESIDENT STREET	2419 feet to the NNW
115	0702240	FIVE GAL OIL FOUND IN MH 18814	CHURCH AVENUE & EAST 52 STREET	2424 feet to the SSE
116	0905784	MANHOLE 61352 EMIS 218052	CHURCH AVE /45TH ST	2427 feet to the S
117	0008499	SB 31790	1568 PRESIDENT ST	2456 feet to the NNW
118	9604665	43 EAST 57TH STREET	43 EAST 57TH STREET	2561 feet to the ESE
119	0003820	SERVICE BOX 17775	NEW YORK AV/BUFFALO AV	2594 feet to the NE
120	0905633	VAULT # VS3365 EMIS 217974	TROY AVE & PRESIDENT ST	2615 feet to the NNW
121	9814363	VS 3094	CHURCH/54TH ST	2626 feet to the SE
122	0505940	MANHOLE 18818	CHURCH AVE/E 54 ST	2626 feet to the SE

Closed Status Spills (Miscellaneous Spill Causes) -- Total Sites - 20

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

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
123	9301955	154 E 49TH ST	M. FELSENSTEIN 154 E 49ST	0 feet
124	1002461	HESS 32534	530 UTICA AVE	171 feet to the NE*
125	0103603	SPILL NUMBER 0103603	IFO 575 UTICA AVE	373 feet to the E
126	0103585	575 UTICA AVE	575 UTICA AVE	373 feet to the E
127	9711395	AMOCO GAS	529 UTICA AVE/GLENWOOD RD	426 feet to the ENE
128	0513998	RESIDENCE	135 EAST 45T ST	451 feet to the WSW
129	1212299	DRUM RUN	831 MAPLE ST	563 feet to the NNE
130	1216413	SUNY BROOKLYN BOILER ROOM	760 CLARKSON AVE	656 feet to the S
131	9812483	UTICA TAXI CENTER	465 UTICA AVE	680 feet to the NNE

132	0800425	NYCHA	728 EAST NEW YORK AVE.	1312 feet to the NW
133	9812629	PS 221	791 EMPIRE BOULEVARD	1453 feet to the NNW
134	0811101	APT BLDG	757 EMPIRE BLVD	1504 feet to the NNW
135	0903187	VAULT VS3167	RUTLAND RD AND EAST 93 ST	1662 feet to the ENE
136	0751248	PRIVATE RESIDENCE	806 ALBANY AVENUE	2106 feet to the SW
137	1009302	PRIVATE RESIDENCE	218 EAST 54TH ST	2242 feet to the SE
138	9306823	497-505 LINDEN BLVD	497-505 LINDEN BLVD	2470 feet to the SW
139	9912103	APARTMENT COMPLEX	1497 CARROLL STREET	2492 feet to the NNW
140	9712734	SPILL NUMBER 9712734	5018 CHURCH AVE	2492 feet to the SSE
141	0009894	INOCENT RES.	1073 CLARKSON AVE	2604 feet to the E
142	9111091	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW

Petroleum Bulk Storage Sites — Total Sites - 19

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

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
143	2-109126	KINGSBROOK JEWISH MEDICAL CENTER	585 SCHENECTADY AVENUE	0 feet
144	2-199095	HARRY SILVER HOUSING CO.	828 MIDWOOD STREET	166 feet to the N*
145	2-602318	U AND W PETROLEUM INC.	610 UTICA AVENUE	182 feet to the ESE*
146	NY08239	R GAS INC	610 UTICA AVE	182 feet to the ESE*
147	2-297704	HESS 32534	530-546 UTICA AVENUE	187 feet to the NE*
148	2-609391	COYS AUTO REPAIRS	640 UTICA AVENUE	240 feet to the SE
149	2-603646	MAVIS DISCOUNT TIRE	611 UTICA AVE	389 feet to the ESE
150	NY08216	R & S STRAUSS ASSOC	519 UTICA AVE	398 feet to the NE
151	2-337927	BP/AMOCO SERVICE STATION	529 UTICA AVENUE	433 feet to the ENE
152	2-600878	AMOCO SERVICE STATION SS#655	529 UTICA AVE.	433 feet to the ENE
153	NY09631	TACOMA OIL CORP	529 UTICA AVE	433 feet to the ENE
154	2-191558	UTICA ENTERPRISES	482-504 UTICA AVENUE	457 feet to the NNE
155	2-609389	ROBIN AUTO SERVICES	482 UTICA AVENUE	457 feet to the NNE
	2-609407	GREAT BEAR AUTO	680 UTICA AVENUE	507 feet to the SSE
	2-337978	KINGSBORO PSYCHIATRIC CENTER	681 CLARKSON AVENUE	580 feet to the SW
158	2-609434	TROTTA SERVICE STATION INC.	684 UTICA AVENUE	582 feet to the SSE
159	2-100579	835 CLARKSON AVE	835 CLARKSON AVE	651 feet to the SE
160	2-608599	155 E. 51 ST.	155 EAST 51ST STREET	655 feet to the ESE
161	NY05552	JOSEPH ST ROSE	155 E 51 ST	655 feet to the ESE

Hazardous Waste Generators, Transporters -- Total Sites - 17

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

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
162	NYD986954188	KINGSBROOK JEWISH MEDICAL CTR	585 SCHENECTADY DR	0 feet
163	NYD982185787	MERIT OIL CORP	530-546 UTICA AVE	176 feet to the NE*
164	NYR000186171	RITE AID #3855	506-528 UTICA AVE	211 feet to the NE
165	NYP004056792	CONSOLIDATED EDISON	MH41671-UTICA AVE & RUTLAND RD	281 feet to the NE
166	NYD980757918	R&S STRAUSS	519-22 UTICA AVE	288 feet to the NE
167	NYP004194957	CONSOLIDATED EDISON MH63845	MH63845 654 UTICA AVE	338 feet to the SE
168	NYP004280723	CON EDISON	654 UTICA AVE	338 feet to the SE
169	NYR000019406	AUTOZONE # 5279	575 UTICA AVE	378 feet to the E
170	NYD980757918	R & S STRAUSS	519-29 UTICA AVE	382 feet to the NE
171	NYD986988046	TACOMA OIL	529 UTICA AVE	428 feet to the ENE
172	NYD000816330	SUNOCO SERVICE STATION	482 UTICA AVE	443 feet to the NNE
173	NYR000028019	WEINBERG GRETA	471 UTICA AVENUE	575 feet to the NNE
174	NYP000921544	NYNEX	UTICA & MAPLE AVE	602 feet to the NNE
175	NYD986888758	NEW YORK STATE PSYCHIATRIC CTR	KINGSBOROUGH- 681 CLARKSON AVE	612 feet to the SW
176	NYR000032649	NYC DEPT HOMELESS SERV KINGS PSYCH CTR	681 CLARKSON AVE BLDG 8	612 feet to the SW
177	NYR000032987	NYC DEPT OF HOMELESS SVCS	681 CLARKSON AVE	612 feet to the SW
178	NYX200075301	KINGSBORO PSYCHIATRIC CENTER	681 CLARKSON AVENUE-BLDG 21	612 feet to the SW

Air Discharge Sites -- Total Sites - 7

Database searched at 1/8 MILE - Non-ASTM Database

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
179	3604700089	HOSPITAL-KINGSBROOK JEWISH MED CTR	585 SCHENECTADY AVE	0 feet
180	36047P000V	RUTLAND NURSING HOME	585 SCHENETADY AVE	0 feet
181	3604700600	MERIT	530-546 UTICA AVE	194 feet to the NE*
182	3604700183	UTTICA PETROLEUM	611 UTICA AVENUE	395 feet to the ESE
183	3604700668	AMOCO	529 UTICA AVE	435 feet to the ENE
184	3604700091	KINGSBORO PSYCHIATRIC CENTER	681 CLARKSON AVENUE	565 feet to the SW
185	NY047Y003	KINGSBORO PSYCH CTR	681 CLARKSON AVE	565 feet to the SW

Identified Toxic Sites by Proximity

Kingsbrook Medical Center, Brooklyn, NY 11203

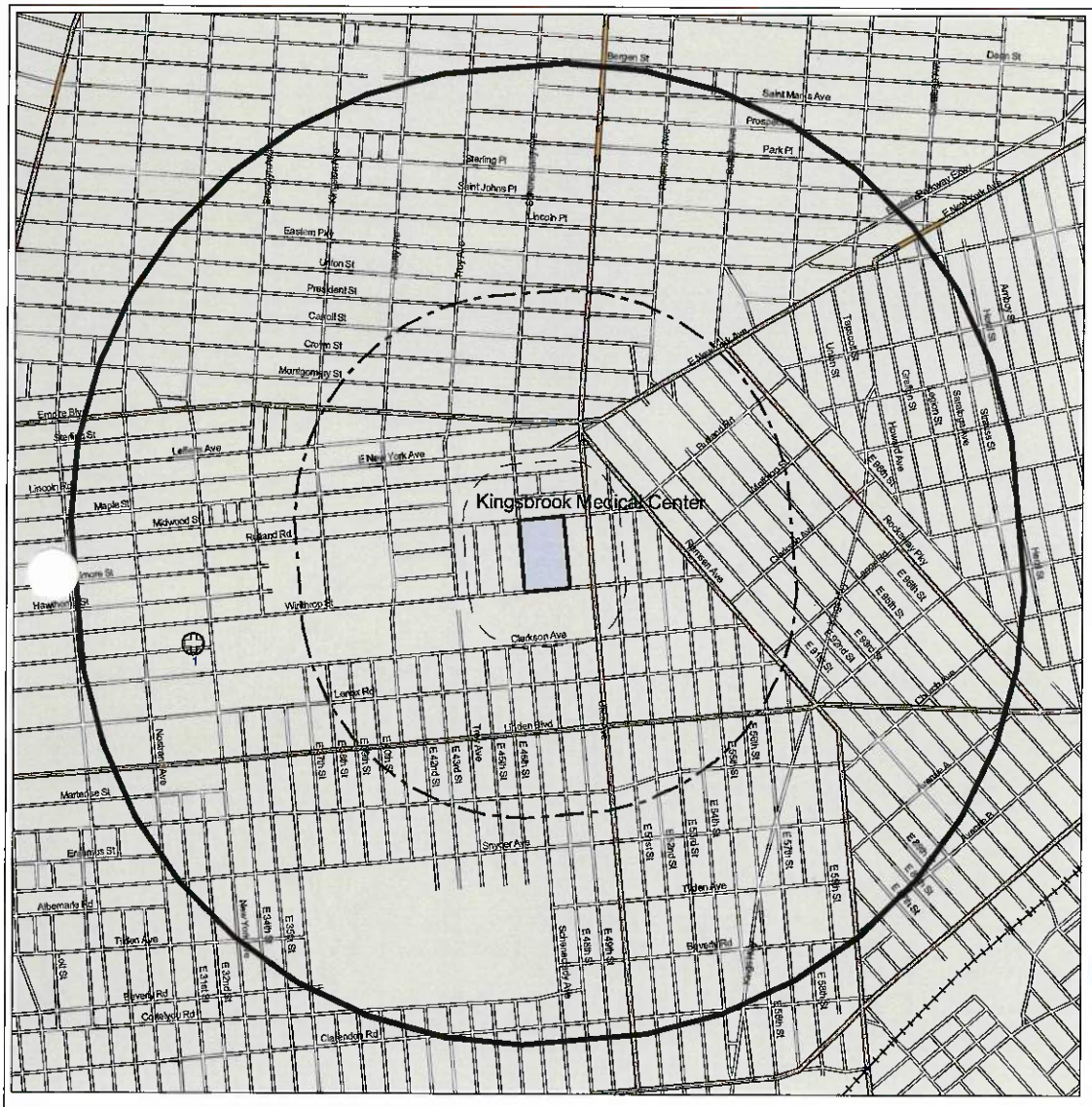
* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
50	MANHOLE 69180	E 49TH ST/WINTHROP ST	0 feet	Closed Status Spill (Unk/Other Cause)
123	154 E 49TH ST	M. FELSENSTEIN 154 E 49ST	0 feet	Closed Status Spill (Misc. Spill Cause)
143	KINGSBROOK JEWISH MEDICAL CENTER	585 SCHENECTADY AVENUE	0 feet	Petroleum Bulk Storage Site
162	KINGSBROOK JEWISH MEDICAL CTR	585 SCHENECTADY DR	0 feet	Hazardous Waste Generator/Transporter
179	HOSPITAL-KINGSBROOK JEWISH MED CTR	585 SCHENECTADY AVE	0 feet	Air Discharge Site
180	RUTLAND NURSING HOME	585 SCHENETADY AVE	0 feet	Air Discharge Site
144	HARRY SILVER HOUSING CO.	828 MIDWOOD STREET	166 feet to the N*	Petroleum Bulk Storage Site
5	HESS-MERIT STATION 32534	530 UTICA AVENUE	171 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
27	530 UTICA AVE/BKLYN/MERIT	530 UTICA AVENUE	171 feet to the NE*	Closed Status Tank Test Failure
124	HESS 32534	530 UTICA AVE	171 feet to the NE*	Closed Status Spill (Misc. Spill Cause)
163	MERIT OIL CORP	530-546 UTICA AVE	176 feet to the NE*	Hazardous Waste Generator/Transporter
145	U AND W PETROLEUM INC.	610 UTICA AVENUE	182 feet to the ESE*	Petroleum Bulk Storage Site
146	R GAS INC	610 UTICA AVE	182 feet to the ESE*	Petroleum Bulk Storage Site
147	HESS 32534	530-546 UTICA AVENUE	187 feet to the NE*	Petroleum Bulk Storage Site
181	MERIT	530-546 UTICA AVE	194 feet to the NE*	Air Discharge Site
164	RITE AID #3855	506-528 UTICA AVE	211 feet to the NE	Hazardous Waste Generator/Transporter
148	COYS AUTO REPAIRS	640 UTICA AVENUE	240 feet to the SE	Petroleum Bulk Storage Site
51	MANHOLE 41671	UTICA AVE/RUTLAND RD	281 feet to the NE	Closed Status Spill (Unk/Other Cause)
	VAULT 3016	RUTLEND RD/UTICA AVE	281 feet to the NE	Closed Status Spill (Unk/Other Cause)
1	CONSOLIDATED EDISON	MH41671-UTICA AVE & RUTLAND RD	281 feet to the NE	Hazardous Waste Generator/Transporter
166	R&S STRAUSS	519-22 UTICA AVE	288 feet to the NE	Hazardous Waste Generator/Transporter
167	CONSOLIDATED EDISON MH63845	MH63845 654 UTICA AVE	338 feet to the SE	Hazardous Waste Generator/Transporter
168	CON EDISON	654 UTICA AVE	338 feet to the SE	Hazardous Waste Generator/Transporter
125	SPILL NUMBER 0103603	IFO 575 UTICA AVE	373 feet to the E	Closed Status Spill (Misc. Spill Cause)
126	575 UTICA AVE	575 UTICA AVE	373 feet to the E	Closed Status Spill (Misc. Spill Cause)
169	AUTOZONE # 5279	575 UTICA AVE	378 feet to the E	Hazardous Waste Generator/Transporter
170	R & S STRAUSS	519-29 UTICA AVE	382 feet to the NE	Hazardous Waste Generator/Transporter
149	MAVIS DISCOUNT TIRE	611 UTICA AVE	389 feet to the ESE	Petroleum Bulk Storage Site
182	UTTICA PETROLEUM	611 UTICA AVENUE	395 feet to the ESE	Air Discharge Site
150	R & S STRAUSS ASSOC	519 UTICA AVE	398 feet to the NE	Petroleum Bulk Storage Site
6	BP AMOCO STATION #655	529 UTICA AVENUE	426 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
53	AMOCO	529 UTICA AVENUE	426 feet to the ENE	Closed Status Spill (Unk/Other Cause)
127	AMOCO GAS	529 UTICA AVE/GLENWOOD RD	426 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
171	TACOMA OIL	529 UTICA AVE	428 feet to the ENE	Hazardous Waste Generator/Transporter
151	BP/AMOCO SERVICE STATION	529 UTICA AVENUE	433 feet to the ENE	Petroleum Bulk Storage Site
152	AMOCO SERVICE STATION SS#655	529 UTICA AVE.	433 feet to the ENE	Petroleum Bulk Storage Site
153	TACOMA OIL CORP	529 UTICA AVE	433 feet to the ENE	Petroleum Bulk Storage Site
183	AMOCO	529 UTICA AVE	435 feet to the ENE	Air Discharge Site
172	SUNOCO SERVICE STATION	482 UTICA AVE	443 feet to the NNE	Hazardous Waste Generator/Transporter
128	RESIDENCE	135 EAST 45T ST	451 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
154	UTICA ENTERPRISES	482-504 UTICA AVENUE	457 feet to the NNE	Petroleum Bulk Storage Site
155	ROBIN AUTO SERVICES	482 UTICA AVENUE	457 feet to the NNE	Petroleum Bulk Storage Site
156	GREAT BEAR AUTO	680 UTICA AVENUE	507 feet to the SSE	Petroleum Bulk Storage Site
54	NYCSCA - OLD BOYS HIGH SCHOOL	708 MAPLE STREET	536 feet to the NW	Closed Status Spill (Unk/Other Cause)
129	DRUM RUN	831 MAPLE ST	563 feet to the NNE	Closed Status Spill (Misc. Spill Cause)

184	KINGSBORO PSYCHIATRIC CENTER	681 CLARKSON AVENUE	565 feet to the SW	Air Discharge Site
185	KINGSBORO PSYCH CTR	681 CLARKSON AVE	565 feet to the SW	Air Discharge Site
173	WEINBERG GRETA	471 UTICA AVENUE	575 feet to the NNE	Hazardous Waste Generator/Transporter
157	KINGSBORO PSYCHIATRIC CENTER	681 CLARKSON AVENUE	580 feet to the SW	Petroleum Bulk Storage Site
158	TROTTA SERVICE STATION INC.	684 UTICA AVENUE	582 feet to the SSE	Petroleum Bulk Storage Site
2	KINGSBORO PSYCH. HOSPITAL TTF	681 CLARKSON AVE	593 feet to the SW	Active Tank Test Failure
10	KINGSBORO PSYCH CENTER	681 CLARKSON AVE, BLDG 1	593 feet to the SW	Active Haz Spill (Misc. Spill Cause)
12	KINGSBORO PSYCH CENTER	681 CLARKSON AVE	593 feet to the SW	Closed Status Tank Failure
13	681 CLARKSON AVE	681 CLARKSON AVE	593 feet to the SW	Closed Status Tank Failure
55	681 CLARKSON AVE/KINGSBOR	681 CLARKSON AVE/KINGSBOR	593 feet to the SW	Closed Status Spill (Unk/Other Cause)
56	KINGSBORO PSYCH CENTER TTF	681 CLARKSON AVE	593 feet to the SW	Closed Status Spill (Unk/Other Cause)
174	NYNEX	UTICA & MAPLE AVE	602 feet to the NNE	Hazardous Waste Generator/Transporter
175	NEW YORK STATE PSYCHIATRIC CTR	KINGSBOROUGH- 681 CLARKSON AVE	612 feet to the SW	Hazardous Waste Generator/Transporter
176	NYC DEPT HOMELESS SERV KINGS PSYCH CTR	681 CLARKSON AVE BLDG 8	612 feet to the SW	Hazardous Waste Generator/Transporter
177	NYC DEPT OF HOMELESS SVCS	681 CLARKSON AVE	612 feet to the SW	Hazardous Waste Generator/Transporter
178	KINGSBORO PSYCHIATRIC CENTER	681 CLARKSON AVENUE-BLDG 21	612 feet to the SW	Hazardous Waste Generator/Transporter
57	155 EAST 51ST STREET	155 EAST 51ST STREET	638 feet to the ESE	Closed Status Spill (Unk/Other Cause)
58	RESIDENCE	155 EAST 51ST STREET	638 feet to the ESE	Closed Status Spill (Unk/Other Cause)
159	835 CLARKSON AVE	835 CLARKSON AVE	651 feet to the SE	Petroleum Bulk Storage Site
160	155 E. 51 ST.	155 EAST 51ST STREET	655 feet to the ESE	Petroleum Bulk Storage Site
161	JOSEPH ST ROSE	155 E 51 ST	655 feet to the ESE	Petroleum Bulk Storage Site
130	SUNY BROOKLYN BOILER ROOM	760 CLARKSON AVE	656 feet to the S	Closed Status Spill (Misc. Spill Cause)
3	UTICA TAXI CTR TTF	465 UTICA AVE	680 feet to the NNE	Active Tank Test Failure
131	UTICA TAXI CENTER	465 UTICA AVE	680 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
59	MANHOLE 21673	888-890 E NY AVE	705 feet to the N	Closed Status Spill (Unk/Other Cause)
60	KELLER RESIDENCE	866 E. NEW YORK AVE	706 feet to the N	Closed Status Spill (Unk/Other Cause)
28	700 UTICA AVENUE. / BROOK	700 UTICA AVENUE	710 feet to the SSE	Closed Status Tank Test Failure
61	MANHOLE 59318	IFO 854 E NY AVE	768 feet to the NNW	Closed Status Spill (Unk/Other Cause)
6	TROY AVE & WINTHROP ST	RWY-TROY AV & WINTHROP ST	802 feet to the WSW	Closed Status Spill (Unk/Other Cause)
6	MANHOLE #32500	REMSEN AV @ E 51ST	804 feet to the NE	Closed Status Spill (Unk/Other Cause)
64	217591; 69 REMSEN AVE	69 REMSEN AVE	893 feet to the NE	Closed Status Spill (Unk/Other Cause)
65	MANHOLE 65792	EAST NY /AVE REMSEN AVE	941 feet to the NNE	Closed Status Spill (Unk/Other Cause)
66	MANHOLE # 32500	REMSEN AVE/ EAST NY AVE	941 feet to the NNE	Closed Status Spill (Unk/Other Cause)
67	MH 1046	887 EAST NEW YORK AVE	947 feet to the N	Closed Status Spill (Unk/Other Cause)
68	MH2573	887 EAST NEW YORK AVE	947 feet to the N	Closed Status Spill (Unk/Other Cause)
69	VS6364	EAST SIDE AVE	948 feet to the NW	Closed Status Spill (Unk/Other Cause)
29	755 FENIMORE ST	755 FENIMORE ST	949 feet to the W	Closed Status Tank Test Failure
4	455 SCHENECTADY AVE	455 SCHENECTADY AVE	966 feet to the NNW	Active Tank Test Failure
70	455 SCHENECTADY AVE	455 SCHENECTADY AVE	966 feet to the NNW	Closed Status Spill (Unk/Other Cause)
30	456 SCHNECTADY AVE	456 SCHENECTADY AVE	975 feet to the NNW	Closed Status Tank Test Failure
71	VACANT LOT	801-817 EAST NEW YORK AVE	978 feet to the NNW	Closed Status Spill (Unk/Other Cause)
72	BOX 23494	840 LEFFITZ AVE	995 feet to the N	Closed Status Spill (Unk/Other Cause)
14	SPILL NUMBER 0109302	92 E 53TH ST	1017 feet to the ESE	Closed Status Tank Failure
31	KINGSBORO PSYCH	881 CLARKSON AVE	1021 feet to the ESE	Closed Status Tank Test Failure
73	SPILL NUMBER 0312418	114 EAST 53RD ST	1069 feet to the ESE	Closed Status Spill (Unk/Other Cause)
74	TM1598	E 53RD ST/WINTHROP ST	1090 feet to the ESE	Closed Status Spill (Unk/Other Cause)
75	MH 63395	UTICA AVE AND EMPIRE BLVD	1122 feet to the NNE	Closed Status Spill (Unk/Other Cause)
76	IFO RESIDENCE	684 MAPLE STREET	1144 feet to the WNW	Closed Status Spill (Unk/Other Cause)
77	MANHOLE 2988	SCHENECTADY & EMPIRE BLVD	1159 feet to the NNW	Closed Status Spill (Unk/Other Cause)
78	SPILL NUMBER 0200846	97 EAST 91ST ST	1186 feet to the NE	Closed Status Spill (Unk/Other Cause)
32	CLOSED-LACKOF RECENT INFO	133 E. 53RD STREET	1239 feet to the ESE	Closed Status Tank Test Failure
33	CLOSED-LACKOF RECENT INFO	133 E. 53RD STREET	1239 feet to the ESE	Closed Status Tank Test Failure
7	RUTLAND TOWERS -NYCHA	955 RUTLAND RD	1253 feet to the NE	Active Haz Spill (Unknown/Other Cause)

34	RUTLAND TOWERS -NYCHA	955 RUTLAND RD	1253 feet to the NE	Closed Status Tank Test Failure
35	GOOD YEAR TIRE	741 UTICA AVE	1283 feet to the SSE	Closed Status Tank Test Failure
79	GASETERIA	756 UTICA AVENUE	1292 feet to the SSE	Closed Status Spill (Unk/Other Cause)
36	REID HOUSES -NYCHA	728 EAST NEW YORK AVE	1312 feet to the NW	Closed Status Tank Test Failure
37	REID APTS.	728 EAST NEW YORK AVE	1312 feet to the NW	Closed Status Tank Test Failure
132	NYCHA	728 EAST NEW YORK AVE.	1312 feet to the NW	Closed Status Spill (Misc. Spill Cause)
80	TM762	TROY AVE/LEFFERTS AVE	1315 feet to the NW	Closed Status Spill (Unk/Other Cause)
81	TM # 762	TROY AV & LEFFERTS AV	1315 feet to the NW	Closed Status Spill (Unk/Other Cause)
82	MANHOLE #762	TROY AVE/LEFFERTS AVE	1315 feet to the NW	Closed Status Spill (Unk/Other Cause)
8	PVT DWELLING/APT BUILDING	950 RUTLAND RD	1341 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
83	950 MONTGOMERY ST	950 MONTGOMERY AVE	1349 feet to the N	Closed Status Spill (Unk/Other Cause)
84	MANHOLE 43564	UTICA AV / MONTGOMERY ST	1406 feet to the NNE	Closed Status Spill (Unk/Other Cause)
85	MANHOLE #43564	UTICA AV & MONTGOMERY ST	1406 feet to the NNE	Closed Status Spill (Unk/Other Cause)
86	SPILL NUMBER 0403350	647 MIDWOOD ST	1406 feet to the WNW	Closed Status Spill (Unk/Other Cause)
38	639 ALBANY AVENUE	639 ALBANY AVENUE	1445 feet to the W	Closed Status Tank Test Failure
15	PRIMARY SCHOOL 221	791 EMPIRE BOULEVARD	1453 feet to the NNW	Closed Status Tank Failure
133	PS 221	791 EMPIRE BOULEVARD	1453 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
87	A PINT OF HYDRAULIC FLUILD IN EACH	REMSON AVE & WINTHROP STREET	1480 feet to the E	Closed Status Spill (Unk/Other Cause)
134	APT BLDG	757 EMPIRE BLVD	1504 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
16	WILLIAMS HOME	719 EAST NY AVE	1514 feet to the NW	Closed Status Tank Failure
88	325 EAST 48TH STREET	325 EAST 48TH STREET	1514 feet to the S	Closed Status Spill (Unk/Other Cause)
39	CLOSED-LACKOF RECENT INFO	675 LINDEN AVENUE	1528 feet to the S	Closed Status Tank Test Failure
89	123 EAST 92ND ST	123 EAST 92ND ST	1558 feet to the ENE	Closed Status Spill (Unk/Other Cause)
90	MANHOLE #68511	MONTGOMERY ST & EAST NY AVE	1565 feet to the NNE	Closed Status Spill (Unk/Other Cause)
91	4 FAMILY HOUSE	1037 MONTGOMERY STREET	1573 feet to the NNE	Closed Status Spill (Unk/Other Cause)
92	202 EAST 91 ST	202 EAST 91ST ST	1586 feet to the E	Closed Status Spill (Unk/Other Cause)
93	BLDG SUPER JIMMY HAYWARD	202 EAST 91ST ST	1586 feet to the E	Closed Status Spill (Unk/Other Cause)
94	MANHOLE #28981	NE CORNER ALBANY/MAPLE AV	1617 feet to the WNW	Closed Status Spill (Unk/Other Cause)
1	VAULT VS3167	RUTLAND RD AND EAST 93 ST	1662 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
9	MANHOLE #3801	MONTGOMERY STREET & TROY AVE	1730 feet to the NNW	Closed Status Spill (Unk/Other Cause)
96	MH 3801	TROY AND MONTGOMERY ST	1730 feet to the NNW	Closed Status Spill (Unk/Other Cause)
97	MANHOLE #2366	E NEW YORK AVE/ROCHESTER	1758 feet to the NNE	Closed Status Spill (Unk/Other Cause)
98	MANHOLE TM2366	E NEW YORK AVE/ROCHESTER	1758 feet to the NNE	Closed Status Spill (Unk/Other Cause)
40	836 CROWN ST	836 CROWN ST	1770 feet to the NNE	Closed Status Tank Test Failure
99	MANHOLE 2986	CROWN ST & SCHENECTADY AVE	1801 feet to the N	Closed Status Spill (Unk/Other Cause)
17	GURRIER RESIDENCE	576 LENOX RD	1868 feet to the SW	Closed Status Tank Failure
100	MH5360	INFO 10-22 WINTHROP AV	1882 feet to the E	Closed Status Spill (Unk/Other Cause)
101	COMMERCIAL PROP.	1044 EAST NEW YORK AVEUNE	1944 feet to the NE	Closed Status Spill (Unk/Other Cause)
102	997 CLARKSON AVE	997 CLARKSON AVE	1962 feet to the E	Closed Status Spill (Unk/Other Cause)
18	JOHNSON RESIDENCE	18 EAST 95TH STREET	2059 feet to the NE	Closed Status Tank Failure
103	ON THE STREET 580 -574 MAPLE AVE	ON THE STREET 580 --574 MAPLE AVE	2075 feet to the WNW	Closed Status Spill (Unk/Other Cause)
104	PRIVATE HOME	806 ALBANY AVE	2106 feet to the SW	Closed Status Spill (Unk/Other Cause)
136	PRIVATE RESIDENCE	806 ALBANY AVENUE	2106 feet to the SW	Closed Status Spill (Misc. Spill Cause)
105	INFRONT OF	122 EAST 43ND ST	2121 feet to the SSW	Closed Status Spill (Unk/Other Cause)
11	WRIGHT HOME	68 EAST 56TH ST	2140 feet to the ESE	Active Haz Spill (Misc. Spill Cause)
106	NYNEX	1530 CARROLL STREET	2216 feet to the NNW	Closed Status Spill (Unk/Other Cause)
107	86 E. 56TH STREET	86 E. 56TH STREET	2220 feet to the SE	Closed Status Spill (Unk/Other Cause)
19	1070 EAST NEW YORK AVE	1070 EAST NEW YORK AVE	2240 feet to the NE	Closed Status Tank Failure
137	PRIVATE RESIDENCE	218 EAST 54TH ST	2242 feet to the SE	Closed Status Spill (Misc. Spill Cause)
108	EXCAVATION	1622 PRESIDENT STREET	2346 feet to the N	Closed Status Spill (Unk/Other Cause)
20	134 EAST 42ND STREET	134 EAST 42ND STREET	2377 feet to the SSW	Closed Status Tank Failure
109	CHURCH AVE AND	SCHENECTADY AVE	2379 feet to the S	Closed Status Spill (Unk/Other Cause)
41	1504 CARROLL ST	1504 CARROLL ST	2394 feet to the NNW	Closed Status Tank Test Failure

42	1504 CARROLL ST	1504 CARROLL ST	2394 feet to the NNW	Closed Status Tank Test Failure
110	SERVICE BOX #24272	224 E 94TH ST	2394 feet to the E	Closed Status Spill (Unk/Other Cause)
111	TRANSFORMER VAULT	UTICA AVE & CHURCH AVE	2415 feet to the SSE	Closed Status Spill (Unk/Other Cause)
112	MANHOLE #58411	LENOX ROAD & 57 STREET	2415 feet to the ESE	Closed Status Spill (Unk/Other Cause)
113	SIDEWALK SPILL	1588 PRESIDENT STREET	2419 feet to the NNW	Closed Status Spill (Unk/Other Cause)
114	SERVICE BOX 1792	1588 PRESIDENT STREET	2419 feet to the NNW	Closed Status Spill (Unk/Other Cause)
43	X	1500 CARROLL ST	2421 feet to the NNW	Closed Status Tank Test Failure
21	RESIDENCE	100 EAST 96TH ST	2422 feet to the ENE	Closed Status Tank Failure
115	FIVE GAL OIL FOUND IN MH 18814	CHURCH AVENUE & EAST 52 STREET	2424 feet to the SSE	Closed Status Spill (Unk/Other Cause)
116	MANHOLE 61352 EMIS 218052	CHURCH AVE /45TH ST	2427 feet to the S	Closed Status Spill (Unk/Other Cause)
117	SB 31790	1568 PRESIDENT ST	2456 feet to the NNW	Closed Status Spill (Unk/Other Cause)
138	497-505 LINDEN BLVD	497-505 LINDEN BLVD	2470 feet to the SW	Closed Status Spill (Misc. Spill Cause)
139	APARTMENT COMPLEX	1497 CARROLL STREET	2492 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
140	SPILL NUMBER 9712734	5018 CHURCH AVE	2492 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
44	870 ALBANY AVE./ST.CATHER	870 ALBANY AVE.	2519 feet to the SW	Closed Status Tank Test Failure
118	43 EAST 57TH STREET	43 EAST 57TH STREET	2561 feet to the ESE	Closed Status Spill (Unk/Other Cause)
119	SERVICE BOX 17775	NEW YORK AV/BUFFALO AV	2594 feet to the NE	Closed Status Spill (Unk/Other Cause)
22	374 E52ND ST	374 E 52ND ST	2598 feet to the SSE	Closed Status Tank Failure
23	324 EAST 53RD ST/BKLYN	324 EAST 53RD STREET	2599 feet to the SSE	Closed Status Tank Failure
141	INOCENT RES.	1073 CLARKSON AVE	2604 feet to the E	Closed Status Spill (Misc. Spill Cause)
120	VAULT # VS3365 EMIS 217974	TROY AVE & PRESIDENT ST	2615 feet to the NNW	Closed Status Spill (Unk/Other Cause)
9	KINGS COUNTY HOSPITAL CSL	WINTHROPE AVE BLDG D	2621 feet to the WSW	Active Haz Spill (Unknown/Other Cause)
24	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW	Closed Status Tank Failure
25	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW	Closed Status Tank Failure
26	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW	Closed Status Tank Failure
45	KINGS CO HEALTH CENTER	451 CLARKSON AVENUE	2621 feet to the WSW	Closed Status Tank Test Failure
46	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW	Closed Status Tank Test Failure
47	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW	Closed Status Tank Test Failure
7	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW	Closed Status Tank Test Failure
4	KINGS CTY HOSPITAL	451 CLARKSON AVE	2621 feet to the WSW	Closed Status Tank Test Failure
142	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	2621 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
121	VS 3094	CHURCH/54TH ST	2626 feet to the SE	Closed Status Spill (Unk/Other Cause)
122	MANHOLE 18818	CHURCH AVE/E 54 ST	2626 feet to the SE	Closed Status Spill (Unk/Other Cause)
1	K - FLATBUSH STATION A&B	NOSTRAND AVE, WINTHROP ST., NEW YORK & PARKSIDE A	2633 feet to the WSW	NYSDEC Inactive Haz Waste Disposal Site



Toxics Targeting
1 Mile Buffer Search Map

Kingsbrook Medical Center
Brooklyn, NY 11203

N
W
E
S

Kings County

National Priority List (NPL)

Inactive Hazardous Waste Disposal Registry Site

Inact. Haz Waste Disp. Registry Qualifying

RCRA Corrective Action Facility

Subject Area

Waterbody

County Border

Railroad Tracks

1 Mile Radius

1/2 Mile Radius

1/4 Mile Radius

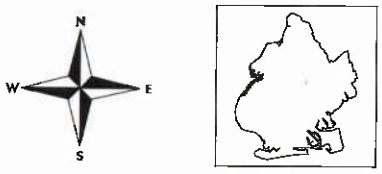
1/8 Mile Radius

Scale: 1 inch = 1693 feet



Toxics Targeting
1/2 Mile Buffer Search Map

Kingsbrook Medical Center
Brooklyn, NY 11203

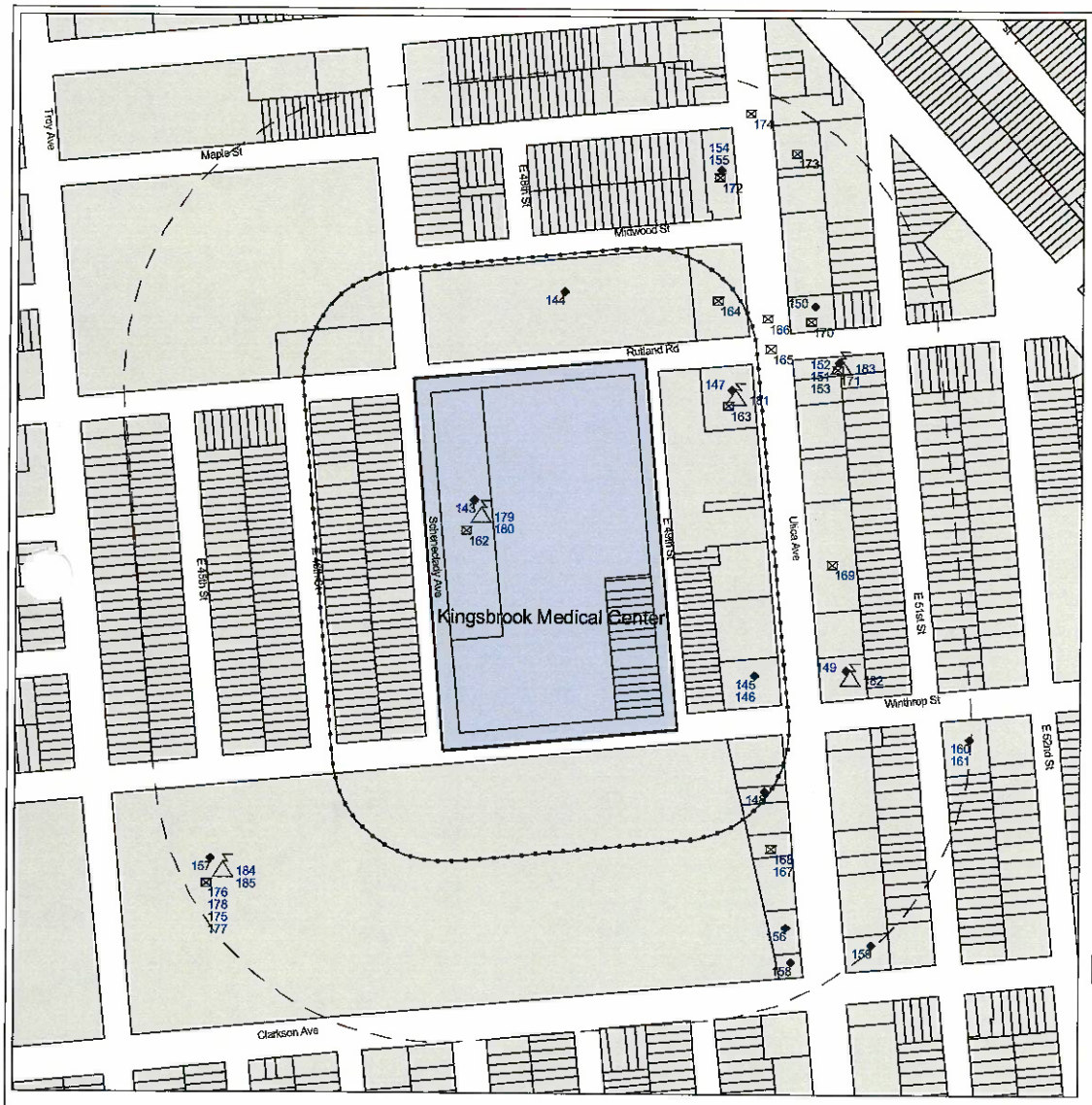


Kings County

- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Hazardous Waste Treater, Storer, Disposer
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Brownfields Site
- Hazardous Material Spill
- MTBE Gasoline Additive Spill

- Subject Area
- Waterbody
- County Border
- Railroad Tracks
- 1 Mile Radius
- 1/2 Mile Radius
- 1/4 Mile Radius
- 1/8 Mile Radius

Scale: 1 inch = 911 feet



Scale: 1 inch = 326 feet

Toxics Targeting
1/8 Mile Buffer Search Map

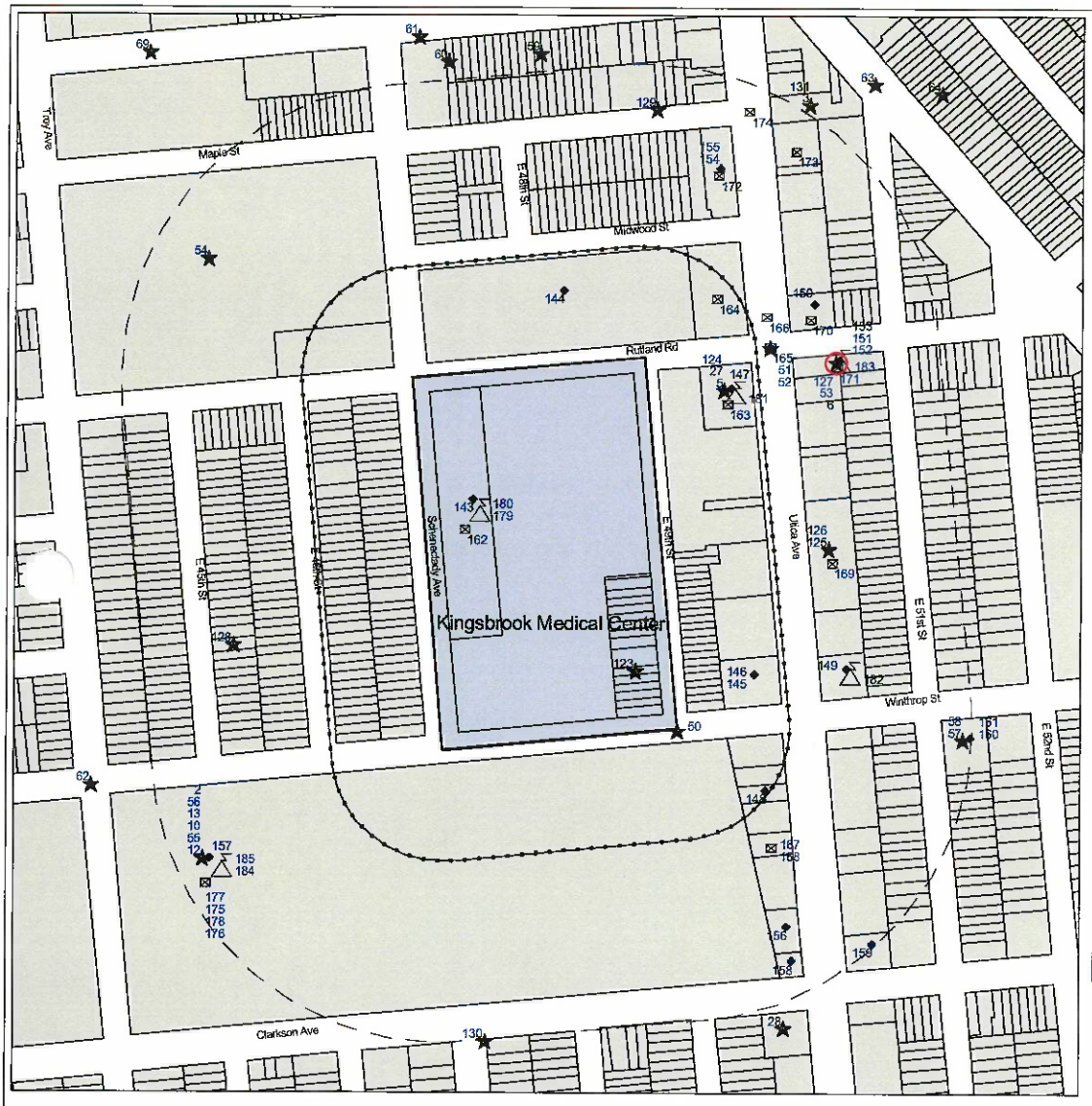
Kingsbrook Medical Center
Brooklyn, NY 11203





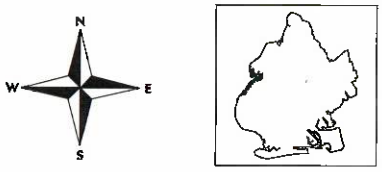
Kings County

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



Toxics Targeting
1/8 Mile Buffer Closeup Map

Kingsbrook Medical Center
Brooklyn, NY 11203



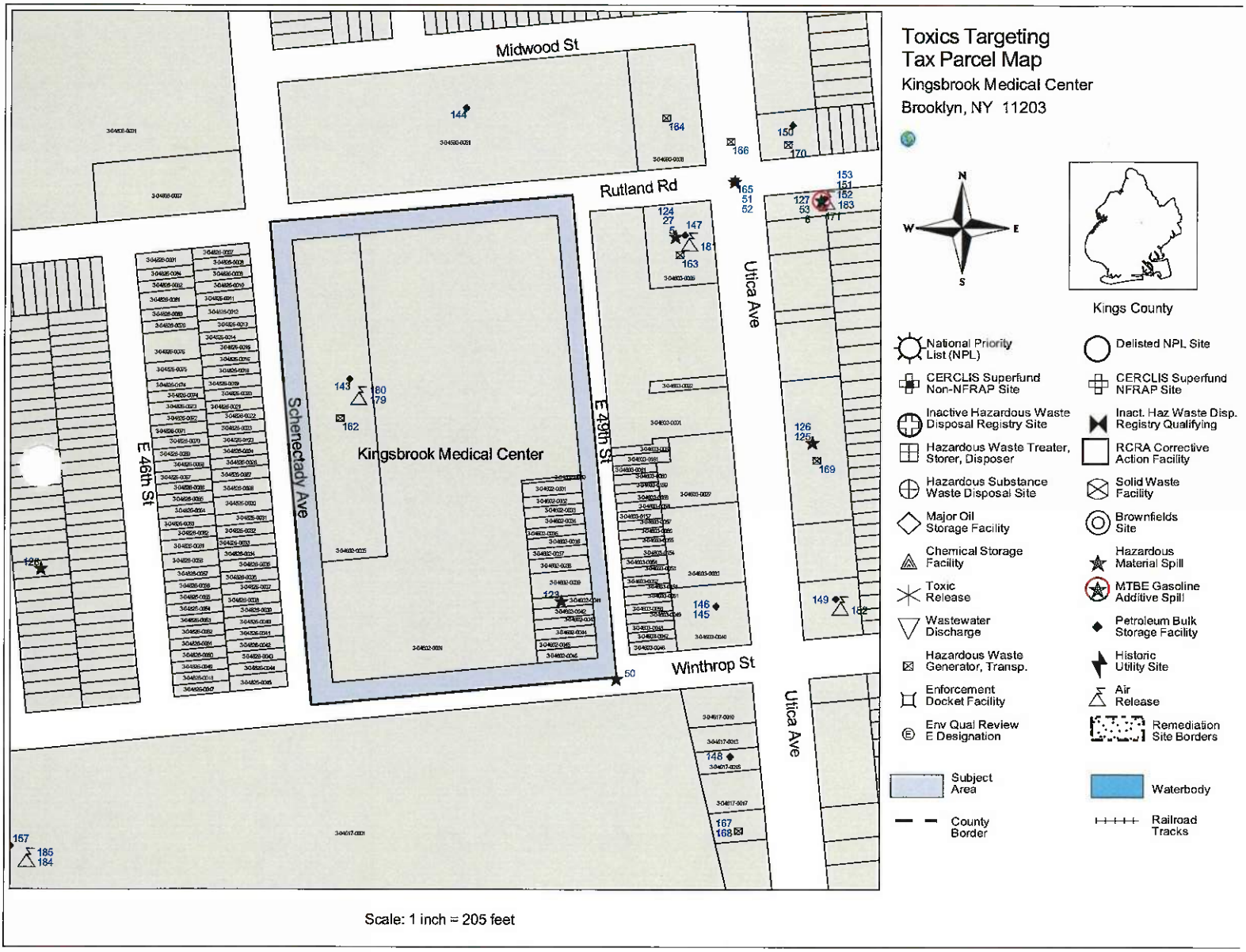
Kings County

- 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

- Subject Area
- Waterbody
- County Border
- Railroad Tracks
- 1/8 Mile Radius
- 250 Foot Radius

Scale: 1 inch = 326 feet

* 1 Mile Search Radius
** 1/2 Mile Search Radius
**** 1/8 Mile Search Radius
***** Onsite Search (250 Ft)



Scale: 1 inch = 205 feet

Tax Parcel Information Table

Kingsbrook Medical Center
Brooklyn, NY 11203

Subject Parcel or Parcels

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
3-04602-0038	146 EAST 49 STREET	ALEXIS, JEAN ROBERT	R6	B1	2	1945	20458	2500
3-04602-0046	166 EAST 49 STREET	EVANS, LAURENE	R6	B1	1	1945	20596	2300
3-04602-0041	154 EAST 49 STREET	ALGERNON STEELE	R6	B1	1	1945	19905	1800
3-04602-0001	86 EAST 49 STREET	KINGSBROOK MED CENT	R6	I1	5	1927	19976850	253940
3-04602-0034	138 EAST 49 STREET	MORGAN-FRETT, VIVIA	R6	B3	1	1945	20606	1800
3-04602-0005	585 SCHENECTADY AVENUE	RUTLAND NURSING HOME	R6	I1	2	1975	19251000	70562
3-04602-0044	160 EAST 49 STREET	CLARKE, IVY	R6	B1	1	1945	19905	1800
3-04602-0039	150 EAST 49 STREET	JEWISH BD OF FAMILY &	R6	I7	3	1945	381600	4300
3-04602-0030	EAST 49 STREET	KINGSBROOK JEWISH MED	R6	V0	0		267	600
3-04602-0045	162 EAST 49 STREET	DAVID N SKEETE	R6	B1	1	1945	19905	1800
3-04602-0036	142 EAST 49 STREET	SYQUIA GLORIA T	R6	B1	1	1945	19905	1800
3-04602-0043	158 EAST 49 STREET	MARY E. ALLMAN	R6	B1	1	1945	19905	1800
3-04602-0035	140 EAST 49 STREET	DESMOND CAMPBELL	R6	B1	1	1945	19905	1800
3-04602-0037	144 EAST 49 STREET	MAXWELL CAROL	R6	B1	1	1945	19905	1800
3-04602-0042	156 EAST 49 STREET	WILLIAMS, ROSALENA	R6	B1	1	1945	19905	1800
3-04602-0031	128 EAST 49 STREET	GIBSON THEODORE	R6	B1	1	1945	19905	2500
3-04602-0033	134 EAST 49 STREET	FELIX & SARAH REEDER	R6	B1	1	1945	19905	1800
3-04602-0032	132 EAST 49 STREET	ROSE MARIE JOSEPH	R6	B2	1	1945	19905	1800

er Parcels Found On The Tax Parcel Map

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
3-04603-0001	RUTLAND ROAD	KINGSBROOK MEDICAL CE	R6 C8-2	G7	0		1074150	62820
3-04603-0050	157 EAST 49 STREET	VIBERT JOHN	R6	B1	1	1945	17160	1252
3-04826-0051	155 EAST 46 STREET	GRIFFITH ALETHA C	R6	B2	1	1945	16980	2000
3-04603-0054	145 EAST 49 STREET	TREYES, JOJI	R6	B1	1	1945	17418	1279
3-04826-0018	570 SCHENECTADY AVENUE	CLARKE, DEEN	R6	A5	1	1945	18698	2000
3-04603-0157	135 EAST 49 STREET	DEUTSCHE BANK NATIONA	R6	B1	1	1945	17040	1203
3-04826-0123	584 SCHENECTADY AVENUE	VINCENT, VICTOIRE DE	R6	A5	1	1945	18698	2000
3-04826-0030	598 SCHENECTADY AVENUE	LOUIS, PIERRE JOCELYN	R6	A5	1	1945	19020	2883
3-04617-0010	630 UTICA AVENUE	'MIKE''S DINER I LLC'	R5	K1	1	1931	156150	7515
3-04826-0012	556 SCHENECTADY AVENUE	NEW YORK CITY HOUSING	R6	A5	1	1945	19652	2750
3-04603-0053	147 EAST 49 STREET	BRATHWAITE, ANDREA	R6	B1	1	1945	17418	1283
3-04603-0033	600 UTICA AVENUE	SPODEK SHELDON	C8-2 R6	K1	1	1931	306450	17142
3-04617-0017	644 UTICA AVENUE	RKT REALTY CORP	R5	K1	1	1931	148050	6575
3-04826-0048	163 EAST 46 STREET	FREED, SHERIE	R6	B2	1	1945	17040	2000
3-04826-0011	554 SCHENECTADY AVENUE	MORANT, JEAN	R6	B1	1	1945	19622	2050
3-04826-0042	626 SCHENECTADY AVENUE	HERMILITA C. NEBLETT,	R6	A5	1	1945	18637	2000
3-04826-0068	119 EAST 46 STREET	GARDNER MAURICE	R6	B3	1	1945	19414	2000
3-04603-0047	163 EAST 49 STREET	GLADYS DERIVAL	R6	B1	1	1945	17418	1267
3-04617-0015	640 UTICA AVENUE	COY, LLOYD	R5	G2	1	1930	171000	3980
3-04826-0026	588 SCHENECTADY AVENUE	H MC DANIEL	R6	A5	1	1945	18637	2000
3-04826-0081	83 EAST 46 STREET	ROBINSON JULIANA	R6	B1	1	1945	20606	3000

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
3-04826-0061	135 EAST 46 STREET	MATTIE WASHINGTON	R6	B2	1	1945	19207	2550
3-04826-0001	73 EAST 46 STREET	BRIZAN, VERONICA	R6	B1	1	1945	20161	3000
3-04603-0056	139 EAST 49 STREET	ALLEN PATRICK C	R6	B1	1	1945	17040	1212
3-04826-0043	628 SCHENECTADY AVENUE	IDA C. HOYTE	R6	A5	1	1945	14130	2000
3-04826-0035	610 SCHENECTADY AVENUE	SHAHZAD AKHTAR	R6	O7	1	1945	70650	2000
3-04603-0161	123 EAST 49 STREET	NORMINTHA HILL	R6	B1	1	1945	18480	1232
3-04826-0070	113 EAST 46 STREET	BALDWIN, GLADYS A	R6	B2	1	1945	19414	2000
3-04826-0009	550 SCHENECTADY AVENUE	BOSTIC GRACE	R6	C0	1	1940	23913	2000
3-04826-0054	147 EAST 46 STREET	G BENJAMIN	R6	B2	1	1945	19257	2000
3-04826-0040	622 SCHENECTADY AVENUE	MALHOTRA SUBHASH	R6	O9	1	1945	68850	2000
3-04826-0024	586 SCHENECTADY AVENUE	LEWIS, DELORIS	R6	A5	1	1945	18637	2000
3-04826-0034	608 SCHENECTADY AVENUE	UTAH ASSOCIATES	R6	I9	1	1945	180000	2000
3-04826-0053	151 EAST 46 STREET	JACKSON, HALLAM	R6	B2	1	1945	19257	2000
3-04826-0045	634 SCHENECTADY AVENUE	MBA PROPERTIES GROUP,	R6	A5	1	1945	20044	2850
3-04603-0060	127 EAST 49 STREET	BETHEL TABERNACLE AFR	R6	B1	1	1945	19905	1232
3-04826-0062	133 EAST 46 STREET	ALTON ARMSTRONG	R6	B3	1	1945	17460	2000
3-04603-0051	155 EAST 49 STREET	KESSLER, NECHAMA	R6	B1	1	1945	17160	1248
3-04826-0075	97 EAST 46 STREET	JOANN E. BLACK	R6	B2	1	1945	20736	3275
3-04603-0022	568 UTICA AVENUE	MICHELMAN UTICA AVENU	C8-2 R6	K2	1	1931	91350	2495
3-04826-0072	109 EAST 46 STREET	BECKER CHARLES	R6	B2	1	1945	18946	2000
3-04603-0027	590 UTICA AVENUE	FIRST UNITED CH/JESUS	C8-2 R6	M1	1	1931	519300	13800
3-04603-0151	153 EAST 49 STREET	WEBB, AYESHA CUBIA	R6	B1	1	1945	17100	1237
3-04826-0021	576 SCHENECTADY AVENUE	BURTON MALVIN	R6	A5	1	1945	18637	2000
3-04826-0020	574 SCHENECTADY AVENUE	HASAN MUHAMMAD	R6	A5	1	1945	16920	2000
3-04603-0055	141 EAST 49 STREET	MORGAN-FRETT, VIVIA	R6	B3	1	1945	17040	1217
3-[illegible]826-0074	103 EAST 46 STREET	GERALD & CHERYL COX	R6	B2	1	1945	18946	2000
[illegible]26-0174	101 EAST 46 STREET	SHEILA HOOD	R6	B2	1	1945	19414	2000
[illegible]17-0001	622 WINTHROP STREET	NEW YORK STATE OWNED	R5	I1	15	1920	30835350	779573
3-04826-0036	612 SCHENECTADY AVENUE	PROSPERE, EVERTON	R6	O9	1	1945	68850	2000
3-04826-0044	630 SCHENECTADY AVENUE	MERNA NEDD	R6	A5	1	1945	16790	2000
3-04826-0063	131 EAST 46 STREET	MAXINE HUNTER	R6	B9	1	1945	19414	2000
3-04826-0023	582 SCHENECTADY AVENUE	VINCENT DAPHNE V	R6	A5	1	1945	18637	2000
3-04826-0047	165 EAST 46 STREET	SPIVACK HAROLD	R6	I5	1	1945	109800	2100
3-04826-0013	560 SCHENECTADY AVENUE	ALEX VELEZ	R6	A5	1	1945	18170	2000
3-04808-0031	708 MAPLE STREET	BOARD OF EDUCATION	R6	Q6	1	1968	4532400	312400
3-04603-0052	151 EAST 49 STREET	MEHTA KUSUM	R6	B1	1	1945	17100	1237
3-04603-0005	530 UTICA AVENUE	MERIT OIL OF NY INC	C8-2 R6	G5	2	1963	632250	16675
3-04826-0055	145 EAST 46 STREET	BEST, ANGELA	R6	B2	1	1945	16920	2000
3-04826-0079	89 EAST 46 STREET	OUSSEINI, SAIDOU	R6	C0	1	2006	36120	2000
3-04826-0065	127 EAST 46 STREET	THOMPSON, ANN	R6	B3	1	1945	17580	2000
3-04826-0038	618 SCHENECTADY AVENUE	SEATON E JACK	R6	O7	1	1945	70650	2000
3-04826-0058	137 EAST 46 STREET	HOUGH, DANIEL R	R6	B2	1	1945	20736	2550
3-04826-0050	157 EAST 46 STREET	CALLENDER GLORIA	R6	B2	1	1945	16980	2000
3-04826-0066	125 EAST 46 STREET	ROSE S DELICE	R6	B3	1	1945	17640	2000
3-04826-0019	572 SCHENECTADY AVENUE	SMITH FAMILY REVOCABL	R6	A5	1	1945	18637	2000
3-04603-0049	159 EAST 49 STREET	BANTON, ANDREA M	R6	B1	1	1945	17418	1257
3-04826-0067	121 EAST 46 STREET	BAILEY, MILLICENT	R6	B3	1	1945	19080	2000
3-04603-0062	EAST 49 STREET	NORMINTHA HILL	R6	V0	0		716	1375
3-04826-0082	79 EAST 46 STREET	BONEY, EUGENE	R6	B1	1	1945	19414	2000
3-04826-0010	552 SCHENECTADY AVENUE	MARQUITA DILLIGARD	R6	B1	1	1945	19716	2000
3-04808-0037	783 RUTLAND ROAD	FAITH GOSPEL ASSEMBLY	R6	M1	2	1931	667350	26000
3-04826-0016	566 SCHENECTADY AVENUE	VENSHAR HEALTH SYSTEM	R6	A5	1	1945	16588	2000

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
3-04826-0007	544 SCHENECTADY AVENUE	BROOKS, SHEMINA	R6	C0	1	1945	25680	2050
3-04826-0057	141 EAST 46 STREET	PERNEASE SMITH	R6	B1	1	1945	19257	2000
3-04603-0159	129 EAST 49 STREET	FREDA P BECKFORD	R6	B1	1	1945	17040	1188
3-04826-0073	105 EAST 46 STREET	FILS AIME, JEAN J	R6	B2	1	1945	17880	2000
3-04826-0033	606 SCHENECTADY AVENUE	SAMUELS AUSTIN ALONZO	R6	A5	1	1945	18637	2000
3-04603-0154	143 EAST 49 STREET	CAMERON, BEVERLY	R6	B1	1	1945	19200	1274
3-04617-0013	632 UTICA AVENUE	COY, LLOYD	R5	O9	1	1931	260550	4100
3-04590-0051	811 RUTLAND ROAD	HARRY SILVER HOUSING	R7-1	D4	3	1953	8355150	127050
3-04826-0052	153 EAST 46 STREET	MARQUES, ROWAN	R6	B2	1	1945	17220	2000
3-04826-0015	564 SCHENECTADY AVENUE	A BUTLER	R6	A5	1	1945	18637	2000
3-04603-0040	610 UTICA AVENUE	ROAMA LLC.	C8-2 R6	K5	1	1931	176850	13331
3-04603-0059	131 EAST 49 STREET	ERNESTINE M MATTHEWS	R6	B1	1	1945	17418	1193
3-04826-0014	562 SCHENECTADY AVENUE	WATSON, BIBI	R6	A5	1	1945	18637	2000
3-04826-0076	91 EAST 46 STREET	ABRAHAM EVELYN	R6	A9	1	1910	19257	5000
3-04603-0057	137 EAST 49 STREET	MCCLAIN, PAMELA C	R6	B1	1	1945	17040	1208
3-04826-0041	624 SCHENECTADY AVENUE	SPIVACK HAROLD	R6	I5	1	1931	101250	2000
3-04603-0046	165 EAST 49 STREET	HENRY, JOYCELYN	R6	B1	1	1945	19905	1832
3-04826-0049	159 EAST 46 STREET	WILLIAMS, GEOFFREY	R6	B2	1	1945	19257	2000
3-04826-0069	117 EAST 46 STREET	MATTHEWS DELORES	R6	B9	1	1945	19414	2000
3-04826-0039	620 SCHENECTADY AVENUE	WILLIAM CRANDALL	R6	A5	1	1945	18637	2000
3-04826-0064	129 EAST 46 STREET	LYNCH WINSTON O	R6	B3	1	1945	17520	2000
3-04603-0061	125 EAST 49 STREET	FLEARY, SAMANTHA N	R6	B1	1	1945	17418	1226
3-04603-0058	133 EAST 49 STREET	HYPPOLITE , EVANS	R6	B1	1	1945	17040	1197
3-04826-0084	77 EAST 46 STREET	JUDY BRIGGS	R6	B1	1	1945	19414	2000
3-04826-0056	143 EAST 46 STREET	POUGH ARSIE	R6	B2	1	1945	16980	2000
3-[illegible]603-0048	161 EAST 49 STREET	ALEXANDER LEWIS	R6	B1	1	1945	17418	1263
[illegible]26-0022	578 SCHENECTADY AVENUE	CHERRY GREGG	R6	A5	1	1945	18637	2000
3-[illegible]326-0071	111 EAST 46 STREET	HAYDEN L STEWART	R6	B2	1	1945	18946	2000
3-04826-0008	546 SCHENECTADY AVENUE	PENCIL, KARLENE	R6	B1	1	1945	18507	2000
3-04826-0032	602 SCHENECTADY AVENUE	RAHMAN MAQSOODUR	R6	O9	1	1930	69300	2000
3-04826-0031	600 SCHENECTADY AVENUE	LEWIS, DANIEL	R6	A5	1	1945	18637	2000
3-04826-0028	594 SCHENECTADY AVENUE	RANKINE, HECTOR O	R6	A2	1	1945	20044	2883
3-04826-0027	590 SCHENECTADY AVENUE	BABB, JULES	R6	A5	1	1945	18637	2000
3-04826-0037	614 SCHENECTADY AVENUE	ROOSEVELT WORKMAN	R6	A5	1	1945	18637	2000
3-04590-0038	506 UTICA AVENUE	UTICA MANAGEMENT CORP	C8-2 R7-1	K1	1	1930	548100	24000
3-04826-0080	85 EAST 46 STREET	MOUNKAILA, SOUMAMA	R6	C0	1	2006	36120	2000

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.

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;
$D_{1, 2, 3}$ -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed);
C -- Remediation Complete (formerly D2).

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;
$D_{1, 2, 3}$ -- 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 **K - FLATBUSH STATION A&B** **Facility Id: 224061**
NOSTRAND AVE, WINTHROP ST., NEW YORK & PARKSIDE AV BROOKLYN, NY 11220 TT-Id: 120A-0006-086

MAP LOCATION INFORMATION
Site location mapped by: MAP COORDINATE (1)
Approximate distance from property: 3933 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NOSTRAND AVE/WINTHROP ST/NEW YORK AVE/PARKSIDE AV
Revised zip code:

****

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: A REGION: 2 SITE CODE: 224061
CLASSIFICATION CODE DESCRIPTION: DEC ID: 378987
Work is underway and not yet complete.

NAME OF SITE: K - Flatbush Station A&B
STREET ADDRESS: Nostrand Ave, Winthrop St., New York & Parkside Av TOWN: New York City
CITY: Brooklyn ZIP: 11220 COUNTY: Kings

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond- ESTIMATED SIZE: 5.2 Acres

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER(S):
NAME.....:
ADDRESS..:

SITE DESCRIPTION:
Location: The Flatbush Holder Stations A & B site is comprised of six parcels of land located between Winthrop St. &

Clarkson Ave., crossing Parkside Ave, in Brooklyn, Kings County, New York .

Site Features: The site comprises 243,000 square feet that was relatively flat prior to its current configuration. The northern 5 acres of the site consists of parking facilities, located on Winthrop St. The southern portion of the site is mostly developed, with a small undeveloped lot off of Parkside Ave, and covers approximately 2.75 acres.

Current Zoning/Use(s): The site is zoned for light manufacturing and commercial use. The two northern parcels are used for parking, and the southern four parcels are used for medical research and metal fabrication.

Historical Use(s): The Holder Stations were used as gas holder stations from before 1905 until at least 1951 according to Sanborn Fire Insurance Maps. Flatbush A was developed for parking by 1980, and Flatbush B has been developed as commercial (medical), manufacturing and parking lot use. The historic holder stations use may have led to site contamination including some possible gas manufacture, and the coal tar residue in the foundations of the holders.

Site Geology and Hydrogeology: The site is made up of unconsolidated sediment overlying bedrock. There is a general sloping to the east, but drainage is likely controlled by sloped surfaces and catch basins. Groundwater is found approximately 20 feet below ground surface and generally flows to the south.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
COAL TAR	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
Prior to Remediation: A Site Characterization was completed in March 2011. Contamination related to the former MGP were found from 14 to 95 feet bgs, in subsurface soils. The impacts consisted of odors, staining, sheen and tar coatings, as well as exceedances of various PAH constituents. The concentrations of PAHs detected ranged from 2 ppm to 765 ppm.

The top 14 feet of soil across the site had exceedances for PAHs, but these were in the range typically found in urban fill.

Groundwater showed slight impacts from Toluene, Ethylbenzene and Xylenes, but forensic testing of soil near the impacted monitoring wells indicated the material was weathered gasoline. These impacts are most likely from an off-site source.

A Site Management Plan (SMP) was approved in February 2012 which will govern the handling of soil from below 14 feet at both parcels.

An Environmental Easement will be placed on the properties to restrict the use of groundwater, and restrict the site to commercial/industrial uses.

ASSESSMENT OF HEALTH PROBLEMS:
Direct contact with contaminants in the soil is unlikely because the majority of the site is covered with buildings and pavement. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces with in 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. Currently there are no occupied buildings on the site. An evaluation of the potential for soil vapor intrusion to occur will be completed following construction of the on-site building.

PROJECT COMPLETIONS:
Operable Unit 01 - Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Site Characterization		12/14/2011	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



NO BROWNFIELDS SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS



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



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



HAZARDOUS MATERIAL SPILLS INTRODUCTION

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

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

1) Tank Failures
2) Tank Test Failures
3) Unknown Spill Cause or Other Spill Cause Hazardous Spills
4) Miscellanous 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) Miscellanous 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.

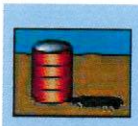
Between 0.25 mile (or one-eighth mile in New York City) and 0.5 mile, only the following spills are mapped and profiled:

* 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 Miscellanous 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 2 **KINGSBORO PSYCH. HOSPITAL TTF**
681 CLARKSON AVE
BROOKLYN, NY
Spill Number: 1113509
Close Date:
TT-Id: 520A-0271-610

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING – LARGE SITE
Approximate distance from property: 593 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11203

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name:
DEC Investigator: SMSANGES
Spiller: HOSPITAL
Notifier Name:
Caller Agency:
Contact for more spill info: CALLER
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
03/01/2012		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 TEST FAILURE

DEC Investigator Remarks:

There is another open spill at 681 Clarkson Psych Bldg #1 due to a spill from an emergency generator AST that spilled and contmainated soil in 2008.

Map Identification Number 3 **UTICA TAXI CTR TTF** **Spill Number: 0909269** **Close Date:**
465 UTICA AVE BROOKLYN, NY TT-Id: 520A-0234-024

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 680 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	JOE DROSS - UTICA TAXI CTR	Spiller Phone:	
Notifier Type:	Tank Tester	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	TJDEMEO	Contact for more spill info:	JOE DROSS	Contact Person Phone:	(718) 774-9767

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
11/18/2009		TANK TEST FAILURE	NO	NO

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

Caller Remarks:

TANK TEST FAILURE. TANK DOUBLE WALLED TANK; NO LOSS OF PRODUCT. BELIEVES EUROPEAN CHECK VALVE; ISSUE WITH MECHANICALLY. CONTRACTOR WORK PENDING; TANK NOT IN USE.

DEC Investigator Remarks:

11/24/2009 TTF letter sent to:
Inglary Corporation
Attn: Joe Pross
c/o Utica Taxi Center
465 Utica Ave.
Brooklyn, NY 11203

08/13/12 - LZ
As Randy Austin requested, the spill has been reassigned to Tim DeMeo

Map Identification Number 4 **455 SCHENECTADY AVE**
455 SCHENECTADY AVE
BROOKLYN, NY 11203

Spill Number: 9512435

Close Date:
TT-Id: 520A-0051-498

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 966 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name: MARK BUFFKIN
DEC Investigator: RJFENG

Spiller: MIKE SELIGMAN - 455 SCHENECTADY AVE
Notifier Name: KEN GELOK
Caller Agency: NDE ENVIRONMENTAL
Contact for more spill info: MIKE SELIGMAN

Spiller Phone: (212) 953-2400
Notifier Phone: (800) 964-7311
Caller Phone: (800) 964-7311
Contact Person Phone: (212) 953-2400

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
01/05/1996		TANK TEST FAILURE	2-199664	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: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

DEC Sigona Investigated found that former UST was removed by building owners. They installed 5 monitoring wells during initial investigation. Free product was observed and monitored by MTS Envirosurv. DEC requested additional wells to de-lineate plume, which was accomplished in early April 1997. DEC to meet on-site with Dave Pulvermiller of MTS EnviroSurv on Mon. April28, 1997 to survey wells. DEC will determine with MTS whether a recovery system is necessary.

DEC Sigona sent a notice of violation to Galster Management Corp regarding stipulation agreement executed on November 23, 1998. Case has been initiated and referred to Legal Affairs.

7/20/04 - Sawyer - Transferred from Sigona to Sawyer.
12/12/05-Rahman- Transferred from Rahman to Koon Tang for reassignment.

3/16/06: Case reassigned to Andersen.
Site history:
3/27/1996: Leaking 5,000 gallon fuel oil UST removed.
4/28/1997: Plume fully delineated and extends off site and acrosss the street.

11/23/1998: Stip executed. Pump and treat system installed with oil-water separator.
7/5/2001: Notice of violation of stip.
8/29/2002: Update report and RAP by Miller Environmental Group. Free product in wells. Proposed improvements on existing pump and treat sytem and a secondary oil water separator. Monitoring data shows product plume has migrated and may need to be redelineated.
1/31/2003: Consent order.
2/2/2003: Improved pump and treat system startup.
5/19/2003 Letter from Miller Environmental Group stating system is in operation and quarterly reports would be submitted (none received).
3/16/2006: Called Miller Environmental Group to followup on reports. Former PM is not longer working there. Spoke with Brent Roberts (631-369-4900 x208). MEG stopped performing work on the site because Galster stopped paying them. He will email me Galsters contact info and the lastest gw monitoring results. Reviewed latest gw monitoring results, gw sampled on 6/8/05, free product is present in MWs 3,7,13. Left message with Larry Malitsky of Galster to follow up on status. (Andersen)

3/29/06: Sent letter to Larry Malitsky, cc Miller Env. Group, requiring OMMP and quarterly reports. May need to send to legal. (Andersen)

4/17/06: Left message with Larry Malitsky to confirm that he received the letter sent by the Department dated 3/29/06. (Andersen)

06: Message from Larry Malitsky indicated that Miller Env. has been contracted to continue work at the site. (Andersen)

7/26/06: Brent Roberts is no longer working for Miller Env. Group. New PM: Skip Taylor. Left Skip Taylor a voice message requesting update on site and submittal of an update report.

8/4/06: Spoke with Skip Taylor of Miller Env. Group. Miller Env. Group submitted a proposal to Larry Malitsky and has not been able to contact him since. No work is being done at the site.

8/7/06: Left a voice message with Larry Malitsky (212-587-6100). Stated that a quarterly update report is overdue and a violation will be issued if it is not received in a month. Sent a letter with a quarterly report submission deadline of September 4, 2006.

9/5/06: Spoke to Ken Walsh of MEG (516-876-7940 x 316). He was given go ahead to start work. He is planning on sampling wells next week.

9/19/06: Spoke to Ken Walsh. He will get back to me with a start date. Spoke to Skip Taylor (631-369-4900 x 204) sampling and remedial system OMMP will occur next week, will call back with a start date.

11/10/06: Received a letter from Robert Ott of MEG indicating a violation was issued to Galster Management on March 29, 2006. MEG received an authorization to proceed. Spoke to Robert Ott of MEG (516-876-7940 x 321), product recovery system is being rehabilitated. Monthly OMMP and monitoring will take place. Quarterly sampling and reporting will take place.

Robert Ott (fax 516-876-7946; email robertott@millerenv.com)

12/10/06: Spoke to Robert Ott, monthly gauging, recovery and OMMP, and quartlery sampling and reporting will occur.

1/19/07: Sent email to Robert Ott to followup on status of gauging, product recovery, and reporting.

1/24/07: Received update report. Wells gauged monthly. 1.22 ft of product present on 12/6/06. Recovery system has not been restarted yet. Report recommended :1) additional recovery pumps in MW 1 and MW3, 2) renewal of DEP discharge permit, and 3) continuation of OMMP and quarterly reporting. These recommendation were approved, in addition to the following due by 3/26/07:1) additional downgradient delineation, 2) monthly recovery from off-site wells MW13, MW7, MW12, and MW11, and 3) inclusion of a table of historic and current product recovery data in quarterly update reports.

2/28/07: Received email from Nicholas Marrone: "MEG asks for an extension for the work outlined in the letter sent by you on 1/23/07. At this time downgradient delineation may not be feasible because the presence of buildings to the west (see attached aerial photo). Potential locations on East New York Avenue right-of way (sidewalk) may be possible, but are not directly downgradient. MEG will inspect downgradient properties to see if we can gain access with our drilling equipment. Downgradient property owners would have to sign an
Access Agreement in order for us to install the wells. We will send you the best delineation plan possible based on information gathered. While we are figuring out where the wells can be located, system upgrades are being evaluated and product recovery is ongoing. Please note: that Robert Ott is no longer with the company, and you can me all correspondence going further.
Should you have any questions, feel free to contact me.
Thanks so much,

N as M. Marrone
C gist/Environmental Scientist
Miller Environmental Group, Inc.
1300 Shames Drive
Westbury, NY 11590
24 Hour Emergency Response # 800.394.8606
Phone: 516.876.7940 ext. 318
Fax: 516.876.7946
Cell: 516-250-2117
"

3/1/07: Extension granted until 3/9/07 to submit proposed well locations.

3/5/07: System maintance scheduled for 3/6/07.

3/27/07: Left phone message and sent email to Nicholas Marrone to followup on site status.

3/27/07: Received email from Nicholas Marrone: "MEG has tried numerous times to contact this client this month (phone,email, and a letter). There has been no response to date. We will keep you posted if we hear back from them."

5/15/07: Received email from Nicholas Marrone:"Our client has agreed to continue work at the above-referenced site. MEG went to the site on 5/9 to maintenance the remediation system and take groundwater samples from the monitoring wells that did not contain floating product. I will keep you posted with regard to the delineation and additional system upgrades." Spoke to Nicholas Marrone. The system is running and actively recovering product. He is not sure how much was recovered.

6/13/07: Received monitoring report. Product in 7 wells. Recovery only from 3 wells. Five wells sampled, no VOCs above standard. "A proposal will be sent to Galster Management to be approved for the additional work, which includes downgradient well installation/delineation of the floating product, monthly product recovery of off-site wells, and remediation system upgrade/new pump locations."

9/17/07: Received monitoring report. Active recovery from system in on-site wells. 0.67 ft product in off-site well MW-13. Sent failure to comply letter due to overdue off-site recovery and delineation.

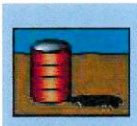
10/25/07: Received email from Nicholas Marrone:" On behalf of our client, MEG is respectfully requesting to have a meeting about the subject site/spill case. I, Dave Reardon (MEG), and
Larry Malitsky (Galster) would like to meet you at your office on November 13th. Please let us know if this date works for you, and what time you would need us there.

Thank you,
Nicholas M. Marrone
Project Manager/Geologist
Miller Environmental Group, Inc.
1300 Shames Drive
Westbury, NY 11590
2[illegible]ur Emergency Response # 800.394.8606
[illegible] 516.876.7940 ext. 318
Fax. 516.876.7946
"

11/13/07: Transferred to Tibbe from Carlson. Met with Larry Malitky (?) and MEG to discuss course of action. Informed RP that they had to define the extent of the plume – up and down gradient – and then we could discuss options to enhance recovery. They will submit a dellineation plan by the end of November 2007. Will need access to property across the street for downgradient well. RP may need help gaining access. MCT

11/12/10 – spill re-assigned from Tibbe to Joe O'Connell.

2/7/2012 – changed Lead DEC from Joe O'Connell to JFeng.



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

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

Map Identification Number 5 **HESS–MERIT STATION 32534** **Spill Number: 9614292** **Close Date:**
530 UTICA AVENUE BROOKLYN, NY TT–Id: 520A–0041–955

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 171 feet to the NE*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	GASOLINE STATION	Spiller:	HESS–MERIT–UTICA GAS S/S	Spiller Phone:	
Notifier Type:	Other	Notifier Name:	MIKE DEGLORIA	Notifier Phone:	(914) 694–5711
Caller Name:	MIKE DEGLORIA	Caller Agency:	LBG	Caller Phone:	(914) 694–5711
DEC Investigator:	RJFENG	Contact for more spill info:		Contact Person Phone:	

ory: 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
03/10/1997	02/10/2004	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 IS DOING A STATION UPGRADE – IN PROCESS OF PULLING UST'S HE NOTICED CONTAMINATED SOIL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SUN"
11/26/2003–

Reassigned from Sangesland to Sun.

11/28/2003-Sun- File Review by Sun:

-Underground Storage Tank Closure,by Leggette, Brashears & Graham, Inc.(LBG), July, 1998.:The report documents the removal of four 4,000-gallon gasoline underground storage tanks (USTs), two 2,000-gallon USTs, thirty 550-gasoline USTs, one 550-gallon waste-water UST and all associated product piping and dispensers. The UST closure activities were conducted between March 10 and March 26, 1997. A total of sixty (60) soil samples were collected for laboratory analysis during the closure activities at the site. Free-phase hydrocarbons were not observed and groundwater was not encountered at any time during the closure activities.

Soil sampling results are as follows: For Product-Dispenser (P.D.-1 through P.D.-4), the samples wer taken at 1 ft. below grade. The total BTEX concentratins ranged from not detected above the laboratory detection limit to 12,340 ug/kg. Concentrations of MTBE ranged from 2.84 ug/kg to 39.2ug/kg. P.D.-4 showed the concentrations of other compounds above the STAR's TCLP Alternative Guidance Valus: 856 ppb Isoproyl Benzene (P.D.-4), 3,640 ppb n-propyl benzene (P.D.-4), 12,500 ppb 1,3,5-trimethylbenzene (P.D.-4), 42,400 ppb 1,2.4-trimethylbenze (P.D.-4), 896 ppb sec-butylbenze (p.D.-4), 1,620 ppb Para-isopropyl-toluene (P.D.-4),13,000 ppb n-butulbenze (P.D.-4), and 9,580 ppb Napthalene (P.D.-4).

For Gasoline USTs-2000 Gallon and 4,000-Gallon (Sample # UST 1.1 Through UST 6.3 and S-1, S-2 and S-4): Benzene was detected in f[illegible]il samples, UST-2.1 and UST-4.3, at 12.9 ug/kg and 3.84 ug/kg, resprctively. Total BTEX concentrations ranged from not [illegible]ed above the laboratory detection limit to 27,035 ug/kg (UST 1.1). MTBE concentrations ranged from not detected above the laboratory detection limit to 17, 100 ug/kg (UST 1.3).

Sveral samples showed the concentrations of other compounds above the STAR's TCLP Alternative Guidance Valus: the hot spot is on UST 6.1: 197 ppb Isoproyl Benzene (UST 6.1), 360 ppb n-propyl benzene (UST 6.1), 14,600 ppb 1,3,5-trimethylbenzene (UST 6.1), 19,000 ppb 1,2.4-trimethylbenze (UST 6.1), 463 ppb sec-butylbenze (UST 6.1), 1,050 ppb Para-isopropyl-toluene (UST 6.1), 16,900 ppb n-butulbenze (UST 6.1),and 3,580 ppb Napthalene (UST 6.1).

For Waste-Water UST (Sample UST 7B-1 and & 7B-2): Benzene was not detected above the laboratory detection limit in the two soil samples collected from the waste-water UST excavation at 15 ft. below the grade (UST 7B-1 and 7B-2).Total BTEX concentrations ranged from not detected above the laboratory detection limit to 10.4 ug/kg (UST 7B.1). MTBE concentrations ranged from 82.8 ug/kg (UST 7B-1) to 97.4 ug/kg (UST 7B-2). Lead concentrations ranged from 156,000 ug/kg (7B-1) to 315,000 ug/kg (7B-2). PCB's were not detected above the laboratory detection limits of 33.9 ug/kg (7B-1) and 34.0 ug/kg (7B-2). THe TCLP analysis of RCRA metals, including lead, mercury, arsenic, barium, cadmium and selenium, were all below the laboratory detection limits as well.

For Gasoline USTs-550 Gallon (Sample UST 8 and 9 Through 36 and 37, S-1 (550) Through S-4 (550): Benzene concentrations ranged from below the laboratory detection limit to 809 ug/kg (UST 17+17). Total BTEX concentrations ranged from 6.11 ug/kg (S-3 550) to 544,000 ug/kg (S-2 550). MTBE concentrations ranged from 3.73 ug/kg (S-1 550) to 19.6 ug/kg (UST UST-22+23).

Sveral samples showed the concentrations of other compounds above

the STAR's TCLP Alternative Guidance Valus.

For Remote Fill (Sample Remote Fill): Benzene was not detected above the laboratory detection limit, however, a high dilution

factor for this soil sample was required causing an elevated detection limit of 559 ug/kg. Total BTEX was detected at a concentration of 49,991 ug/kg, and MTBE was detected at 5,190 ug/kg.

For Product-Piping (Sample P.P.-1 Through P.P.-19): Benzene was not detected above the laboratory detection limit in any of the soil samples collected from the product-piping excavation. Total BTEX concentrations ranged from 3.08 ug/kg (P.P.-5) to 59,150 ug/kg (P.P.-4). MTBE concentrations ranged from not detected above the laboratory detection limit to 14.8 ug/kg (P.P.-18).

On March 25 and 27,1997, a total of 2,623.30 tons of petroleum-impacted soil was excavated and recycled offsite.

THe closure report indicated that concentrations of BTEX and MTBE exceeded the NYSDEC Alternate Guidance Vsalues. These concentrations are related to fitting leaking from 7 of the 550-gallon tanks, as shown on Table 2 of the report.

-Quarterly Groundwater Sampling Report, November 1997 by Environmental Alliance,Inc.-Five (5) monitoring wells (MW-1 thru MW-5) were gauged and sampled on 11/21/1997. No free product was detected. The highest total BTEX was detected in MW-5 with a concentration of 44,500 ppb. THe highest MTBE concentration detected was 43,800 ppb in MW-1. There were no VOC detected in the field blank or trip bank. The groundwater flow is toward southeast direction.

- terly Groundwater Sampling Report, February 1998 by

Environmental Alliance,Inc.-Five (5) monitoring wells (MW-1 thru MW-5) were gauged and sampled on 2/26/1998.. No free product was detected. The highest total BTEX was detected in MW-1 with a concentration of 41,000 ppb. The highest MTBE concentration detected was 26,900 ppb in MW-1. There were no VOC detected in the field blank or trip bank. The groundwater flow is toward northeast direction..

-Tri-Annual Groundwater Sampling Report, December 1999 by

Environmental Alliance,Inc., issused on January 15, 2000 - Five (5) monitoring wells (MW-1 thru MW-5) were gauged and sampled on 12/9/1999. Free-phase product was encountered in MW-1 at a thickness of 0.95 feet. The highest total BTEX was detected in MW-5 with a concentration of 32,400 ppb. The highest MTBE concentration detected was 540 ppb in MW-2. The groundwater flow is toward south-southeast direction.

-Tri-Annual Groundwater Sampling Report, April 2000 by

Environmental Alliance,Inc., issused on March 15, 2000 - Five

(5) monitoring wells (MW-1 thru MW-5) were gauged and sampled

on 4/20/2000. Free-phase product was encountered in MW-1 and MW-2 at a thickness of 0.85 feet and 0.62 feet, respectively. The highest total BTEX was detected in MW-5 with a concentration of 20,1000 ppb. The highest MTBE concentration detected was 260 ppb in MW-5. The groundwater flow is toward south direction.

-Site Status Update Report, by Geologic Services Corporation (Brian Kelly, 631-218-6956), dated 9/29/2000:The report documents

the monitoring period from May 2000 through September 2000. GSC installed two (2) monitoring wells (MW-6 amd MW-7) on 8/8/2000, gauged swven (7), sampled four (4) wells on 8/23/2000. Free-phase product was encountered in MW-1, MW-2 and MW-6

at a thickness of 0.56 feet (MW-1), 0.08 feet (MW-2), and 0.51 feet (MW-6). The groundwater depth is 22.74 feet to 24.93 feet. The highest total BTEX was detected in MW-7 with a concentration of 34,050 ug/l. The highest MTBE concentration detected was 37.7 ug/l ppb in MW-7. The groundwater flow is toward northwest direction. Active product recovery from MW-1, 2, and 6 was conducted on 8/30/2000 and 9/22/2000 using a high vacuum truck. A total of approximately 9 gallons of product has been recovered with 230 gallons of total liquids removed from the formation..

A water supply well is located approximately 0.75 mile downgradient from the site. In addition, sewer/storm drains and utility manholes are located in the immediate vicinity of the site.

Active product recovery from MW-1, 2, and 6 was conducted on 8/30/2000 and 9/22/2000 using a high vacuum truck.

A total of approximately 9 gallons of product has been recovered

with 230 gallons of total liquids removed from the formation.

-Quarterly Manual Free Product Recovery Report, September-November 2000, by Environmental Alliance,Inc., issused on December 15, 2[illegible]- This report documents the semimonthly manual free-phase product recovery activities conducted on September 15, September [illegible]tober 27, November 10, and November 20, 2000. Free product was detected in MW-1 during all visits except September 27 visit (0.6175 feet on 11/20/2000). Free product was also detected in MW-2 on the November 10 and November 20 visits only (0.455 feet on 11/20/2000). A total of 1.82 gallons were recovered during September, October, and November, bringing the cumulative total to 11.173 gallons.

-Site Status Update Report, by Geologic Services Corporation

(Brian Kelly, 845 561-9890), dated 8/31/2001: The report documents the monitoring period from December 2000 through April 2001. GSC conducted enhanced free product recovery on 12/27/2000, 1/17/2001, 1/31/2001, 2/13/2001, 3/8/2001, 3/22/2001, 4/9/2001 and 4/23/2001. GSC gauged six well (MW-1, 2, 3, 4, 5, and 6), and sampled four wells (MW-2, 3, 4 and 5) on 12/14/2000. Gauged seven wells (MW-1 thru 7) and samples two wells (MW-4 and 7). Maximum BTEX concentration is in MW-2 (72,200 ug/l) and Maximum MTBE concentration is in MW-5 (870 ug/l) on 12/4/2000. Groundwater flow is in northeast dorection.

Data taken on 4/4/2001 showed that the Maximum BTEX concentration is in MW-7 (35,410ug/l) and Maximum MTBE concentration is in MW-7 (246 ug/l).

According to the hydrocarbon fingerprint analysis, the product is most likely a weathered regular unleaded gasoline probably released a few years ago.

-Site Status Update Report, by Geologic Services Corporation

(William Schaefer/William Edzards,631-285-6684), dated 4/19/2002:

The report documents the monitoring period from May through December 2001. GSC conducted enhanced free product recovery

on 5/17/2001, 5/31/2001, 7/19/2001, 7/27/2001, 8/21/2001,

9/20/2001, 9/27/2001, 10/9/2001,10/17/2001, 11/7/2001, 11/21/2001, 12/5 2001, and 12/19/2001

GSC surveyed all Amoco wells into the well network on 9/21/2001, and gauged all Hess and Amoco wells on 9/21/2001. A groundwater sample was collected from Hess monitoring well MW-5. Product samples were collected for fingerprint analysis from Hess monitoring well MW-1 and Amoco monitoring well MW-2.

Free product was encountered on 9/24/2001 in six Hess monitoring wells at a thickness of following: 0.68 feet (MW-1), 0.37 feet (MW-2), 0.23 feet (MW-3), 0.01 feet (MW-4). 0.08 feet (MW-6), and 0.02 feet (MW-7).

Free product was encountered on 9/24/2001 in five Amoco monitoring wells at a thickness of following: 0.17 feet (MW-1), 0.69 feet (MW-2), 0.32 feet (MW-3), 0.17 feet (MW-4,) and

0.60 feet (MW-8).

Data from 9/24/2001 showed that the Maximum BTEX concentration is in MW-5 (4,590 ug/l) and Maximum MTBE concentration is in MW-5 (4,590 ug/l) on 4/1/2000.

The groundwater flow is in radial direction toward Amoco well MW-8.

Free product was encountered on 12/21/2001 in 5 Hess monitoring

wells at a thickness of following: 1.10 feet (MW-1), 0.95 feet

(MW-2), 0.99 feet (MW-5), 0.35 feet (MW-6), and 0.25 feet (MW-7).

Data from 12/21/2001 showed that the Maximum BTEX concentration is in MW-7 (35,410 ug/l) and Maximum MTBE concentration is in MW-7

(246 ug/l).

The groundwater flow is toward southeast direction.

-Site Status Update Report, by Geologic Services Corporation

(William Schaefer/William Edzards, 631-285-6684), dated 4/19/2002:The report documents the monitoring period from January through April 2002. GSC conducted enhanced free product recovery on 1/16/2002, 1/30/2002, 2/13/2002, 2/27/2002, 3/7/2002, and 4/3/2002. GSC re-surveyed and gauged four Amoco wells (MW-3, MW-6 MW-9 & MW-10) into the network on 4/3/2002. GSC also gauged seven wells (MW-1, 2, 3, 4, 5, 6 and 7) and sampled one wells (MW-3) on 4/1/2002.

Free product was encountered in six Hess monitoring wells at a thickness of following: 1.16 feet (MW-1), 1.00 feet (MW-2), 1.16

feet (MW-4), 1.03 feet (MW-5). 1.10 feet (MW-6), and 1.13 feet (MW-7).

Data taken on 4/1/2001 indicated that the Maximum BTEX concentration is in MW-3 (17,400 ug/l) and Maximum

MTBE concentration is in MW-3 (<50 ug/l).

The groundwater flow is radially toward Amoco Well MW-8.

12/3/2003-Joe Sun and Jeff Vought conducted a site visit to Hess Station at 530 Utica Avenue, and the church at the corner of Utica Avenue and Winthrop Street. Per our conversation with the church minister,Rev.Charles Farquharson, he stated that he did not smell any gasoline odor in the last two years since the church was constructed. The boiler room in the basement was inspected and found no gasoline vapor and sump was dry. He will contact DEC if there is any odor. Our visual inspection of the Hess Station showed that a remediation system using a combined soil vapor extraction (SVE) system and air sparging (AS) system is currently being constrcted but not completely hooked up yet. There are eight (8) recovery wells (MW-1 through MW-7 and SVE sparge cluster well SVC-1) for extracting the soil vapors, and fifteen air sparging wells (AS-1 through AS-15). The shed was locked at the time of our inspection.

12/8/2003-Sun sent a Stip Agreement to Hess to completely delineate the contaminatioin, submit a Investigation Summary Report followed by a submittal of a revised Remediation Action Plan. The delineation requires that the free phase product plume must be d[illegible]ated in the north, south, east and west directions. Additional borings/wells must be installed in the vicinity of the f[illegible] remote fills, down-gradient of the former 550-gallon USTs, and in vicinity of former 4000-gallon & 2000-gallon USTs. The Department set a deadline of December 29, 2003 for signing of the Stipulation Agreement by the Respondent.

03/16/2004-Sun-File Update by Sun:

-Site Status Update Report, by Geologic Services Corporation

(William Schaefer/David Mullen, 631-285-6684), dated

4/19/2002:The report documents the monitoring period from September 2003 through December 2003. During this period, six (6) monitoring wells were gauged and sampled on 12/11/2003. Soil vapor Extraction (SVE) and Air Sparge (AS) wells were installed between September 22-26, 2003. Trenching and piping for new SVE/AS systember was conducted between October 20-24, 2003.

No free product was encountered in any of the wells as of the 12/11/2003 fieid event. Groundwater depth ranged from 22.00 feet to 23.76 feet.

Data taken on 12/11/2004 indicated that the Maximum BTEX

concentration is in MW-1 (38,900 ug/l) and Maximum

MTBE concentration is in MW-6 (1,900 ug/l). Historically, the groundwater flow direction at the site has varied from east to southeast.

03/17/2004-Sun-File Update by Sun: On 03/17/2004 , Joe Sun sent a letter to Michael Matri of Hess in reference to the

Investigation Plan,which was prepared by Geological Service Corp.dated 3/3/2004 for this site. The Department has reviewed and approved this Investigation Plan.

10/31/05: Project reassigned from Sun to Andersen. Reviewed the triannual report dated 5/24/05. The SVE system in use appears to be working.

1/26/06: 1/25/06 meeting with Quantum, NYSDEC, and GSC/Kleinfelder: upgrade to quarterly sampling, fluctuating concentrations, wait another quarter to assess fluctations.

3/8/06: Reviewed quarterly monitoring report dated 2/27/06. Max BTEX 18,900 ppb (MW9), max MTBE 0.7ppb (MW1). Depth to water 22ft. Fluctuating concentrations. Forgot to include tables 2 and 3 in report although they were listed as attachments.

6/19/06: Reviewed the first 2006 quarterly report. Max BTEX 10,927 ppb (MW6). MTBE ND. SVE/AS is effective.

8/4/06: Reviewed the quarterly report dated 7/28/06. Wells gauged and sampled on 6/1/06. Max BTEX 11,660ppb. Max MTBE ND. "Based on the results of the system testing, the vacuum and air flow will be increased at soil vapor extraction well MW-6 during the next O&M visit, which is scheduled for August 4, 2006.

12/7/06: Reviewed quarterly report dated 11/22/06. Groundwater sampled on 9/8/06. Fluctuating concentrations. Max BTEX 26,480ppb ( ), MTBE ND. SVE/AS in operation.

1/17/07: Meeting on 1/16/07. System may be upgraded to include AS in MW6.

3/2/07: Reviewed site status report dated 2/26/07. Wells sampled on 12/26/07. Max BTEX 11,000 ppb (MW6), MTBE ND. Fluctuating concentrations. SVE/AS system in use. System not upgraded to include AS in MW6.

6/21/07: Reviewed update report. SVE/AS in operation. Wells sampled on 3/30/07. Max BTEX 8,290 ppb (MW6). MTBE ND.

8/21/07: Reviewed site status report. Wells sampled on 6/28/07. Max BTEX 7,000 ppb (MW6). AS compressor broke. They are monitoring effectiveness of SVE system without AS.

2/12/08: Reviewed November 2007 to January 2008 Site Status Report. Wells sampled on December 12, 2007. Max BTEX 4,480 ppb (MW5). MTBE ND. SVE/AS system in operation.

5/14/08 – Carlson: May 7th 2008 meeting with Hess and Envirotrac. The dept requested on-site delineation wells because all wells are connected to the system, and downgradient delineation bc historic product in all wells. Hess/Et said they are going to re-design and restart the AS system. Reviewed First Quarterly 2008 update report. Wells sampled on 3/26/08. General decreasing trend. Max BTEX concentration 294 ppb (MW6). MTBE ND. SVE/AS system in use.

9/24/08 – Carlson: Reviewed August 2008 Update Report. Wells sampled on June 25, 2008. Spike in concentration in MW1. BTEX concentration 2,272 ppb (MW1). SVE/AS in operation. Review for system shutdown next quarter. Delineation workplan discussed during May 7th meeting was not submitted.

10/22/08 – Carlson: Meeting with Hess and Envirotrac. Delineation workplan due in February 2009.

12/1/08 – Carlson: Reviewed November 2008 Update Report. Wells sampled on 9/15/08. Maximum BTEX concentration 231 ppb (MW1). SVE/AS in operation.

3/11/09 – Carlson: Reviewed february 2009 update report. Report states SVE/AS is down for repairs – what is being repaired? Delineation workplan overdue.

3/12/09 – Carlson: Received workplan for system modification, not delineation.

3/18/09 – Carlson: Meeting with Hess/Envirotrac. IP deadline extended to August 2009.

6/8/09 – Carlson: Reviewed May 2009 update report. Wells sampled on March 17, 2009. Maximum BTEX concentration 665 ppb (MW1). IP will be submitted in August 2009.

8/12/09 – Carlson: Reviewed August 2009 update report. SVE in operation, AS is down for repairs – why?.

8/19/09 – Carlson: Meeting with hess. Delineation work plan will be submitted by end of month.

8/20/09 – Carlson: Delineation work plan received.

9 – Carlson: Reviewed delineation work plan. A revised work plan is required with three additional monitoring wells. Revised work plan due in 30 days.

12/18/09 – Carlson: Reviewed update report. Revised work plan will be submitted, SVE/AS down for repairs.

1/27/2010 – Carlson: Meeting held with Hess and Envirotrac. Revised work plan overdue – will be submitted.

2/9/2010 – Carlson: Approved revised work plan for installation of 10 monitoring wells.

3/4/2010 – Carlson: Received cc of access agreement sent to off–site owner.

3/11/2010 – Carlson: Reviewed February 2010 quarterly report. SVE in operation.

6/11/2010 – Carlson: Reviewed update report. SVE/AS system shutdown. Off–site access and permits still not received for delineation investigation.

6/15/2010 – Carlson: Received email notification that drilling scheduled for 6/22/2010.

6/25/2010 – Carlson: Received email. New well installation to be completed in early July. Groundwater sampling event scheduled for July 5th to incorporate new wells.

3/15/11 – Obligado – I reviewed the 4Q10 report. The maximum BTEX concentration is 9,900 ug/L in CW–10. MTBE was not detected. The AS/SVE system has been shut down due to asymptotic conditions. I reviewed also reviewed a work plan to install 5 additional off–site monitoring wells in the sidewalks surrounding the site. ONe monitoring well is proposed upgradient to the north and 4

are proposed downgradient to the southeast. The work plan is acceptable.

3/23/11 – Obligado – I emailed a work plan approval letter.

2/9/2012 – Carlson: Reviewed November 2011 Update Report. Six off–site wells were installed in April 2011. Impacted groundwater was found in all six newly installed wells. Update report states Hess to proposed further delineation based on soil and groundwater data. Issued letter requiring submission of an off–site delineation work plan by March 9, 2012.

6/8/2012 – Reviewed Delineation Work Plan, dated 3/9/2012, by EnviroTrac. Propsed 5 soil borings/monitoring wells at the medical center's parking lot. Comments to Hess and EnviroTrac. Response and revised work plan by 7/9/2012.

8/24/2012 – 1Q2012, 5/31/2012, by EnviroTrac. The groundwater was sampled on 3/8/2012. DTW 21.63 to 23.99 feet. Flows to south. CW–21, 1,888.8 BTEX, MTBE ND. CW–12, 82.3 BTEX, MTBE ND. MW–15, 4,257.5 BTEX, MTBE ND. MW–4, 29.1 BTEX, MTBE ND. MW–5, 98 BTEX, MTBE ND. MW–3, 39.9 BTEX, MTBE ND. MW–7, 4,734 BTEX, MTBE ND. CW–10, 14,430 BTEX, MTBE ND. MW–1, 943.3 BTEX, MTBE ND. MW–9, 4,617 BTEX, MTBE ND. CW–8, 4,026.1 BTEX, MTBE ND. CW–22, 10,653 BTEX, MTBE ND. CW–18, 1,141.9 BTEX, MTBE ND. CW–20, 6,345.6 BTEX, MTBE ND. Hess to conduct offsite delineation pending DEC's approval of Work Plan 3/9/2012.

8/30/2012 – Reviewed and discussed with Raphael Ketani the response and the revised proposed boring/well locations. Approve the boring/well locations.

[illegible]o Hess/EnviroTrac "We reviewed your response with a revised proposed boring/well locations. We are fine with the proposed boring/well location. Based on your new information, i.e. integrated flow direction, FOIL review, investigation findings, then we will determine the next step. We will discuss later regarding the upgradient and the BP's site issues."

11/13/2012 – 2Q2012, 8/31/2012, by EnviroTrac. The groundwater was sampled on 6/19/2012. DTW 22.16 to 24.51. Flows to south. SVE/AS is off. The SVE/AS system was turned off on April 7, 2012 due to asymptotic levels. The next sampling will be in September 2012. CW–12, 417.4 BTEX, MTBE ND. MW–15, 85.7 BTEX, MTBE ND. MW–4, 29.9 BTEX, MTBE ND. MW–5, 1,416 BTEX, MTBE ND. MW–6, 134.6 BTEX, 0.26J MTBE. MW–3, 27.8 BTEX, MTBE ND. MW–7, 446.3 BTEX, MTBE ND. MW–16, 11.8 BTEX, MTBE ND. CW–10, 1,398 BTEX, MTBE ND. MW–1, 61.04 J BTEX, MTBE ND. MW–9, 531 BTEX, MTBE ND. CW–8, 4,976.1 BTEX, MTBE ND. CW–17, 997.31 BTEX, MTBE ND. CW–18, 2,488 BTEX, MTBE ND. CW–19, 6,252.4 BTEX, MTBE ND.

1/25/2013 – 3Q2012, 11/30/2012, by EnviroTrac. The groundwater was sampled on 9/29/2012. NO LNAPL. DTW 22.78 to 24.73 feet. Flows to south. SVE/AS was turned off due to asymptotic levels on 4/7/2010. MW–13, 69.9J BTEX, MBE ND. CW–12, 127.4 BTEX, MTBE ND. MW–2, BTEX ND, 6.9 MTBE. MW–15, 2,761.3 BTEX, MTBE ND. MW–5, 112.3 BTEX, MTBE ND. MW–4, 23.4 BTEX, MTBE ND. MW–3, 55.7 BTEX, MTBE ND. MW–16, 78.2 BTEX, MTBE ND. MW–7, 391.8 BTEX, MTBE ND. MW–6, 50.7 BTEX, 0.35J MTBE. CW–10, 148.6 BTEX, MTBE ND. MW–1, 115.2J BTEX, MTBE ND. MW–9, 1,415 BTEX, MTBE ND. CW–8, 7,738.4 BTEX, MTBE ND. CW–22, 823 BTEX, MTBE ND. CW–17, 261.46J BTEX, MTBE ND. MW–7, 391.8 BTEX, MTBE ND. The next sampling will be in 12/2012. Hess to conduct offsite delineation in 1Q2013.

Map Identification Number 6 **BP AMOCO STATION #655** **Spill Number: 9309669** **Close Date:**
529 UTICA AVENUE BROOKLYN, NY TT-Id: 520A-0041-334

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 426 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	GASOLINE STATION	Spiller:	BP AMOCO	Spiller Phone:	
Notifier Type:	Federal Government	Notifier Name:		Notifier Phone:	
Caller Name:	GLEN CATZ	Caller Agency:	TYREE	Caller Phone:	(516) 249-3150
DEC Investigator:	rjfeng	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	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
11/02/1993	03/18/2002	UNKNOWN	2-337927	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL
MTBE (METHYL-TERT-BUTYL ETHER)	HAZARDOUS MATERIAL	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

TANK REMOVAL CONTAMINATION FOUND 4-4000 - 12-550 TO INSTALL NEW TANKS TIBBE WAS AT SITE DID NOT REACH GROUND WATER WENT TO 18 FT.

SPILL REASSIGNED FROM O'DOWD TO ROMMEL.

DEC Investigator Remarks:

See also 9711395 and 9912292

3/18/02 Effective date of stipulation agreement. Remediation Plan was due 4/1/03.
3/14/03 REASSIGNED FROM ROMMEL TO VOUGHT.
11/24/03 Reassigned from Vought to Foley.

12/1/03 Site is adjacent to a Hess service station. Only information in file is from 9/30/02 which included a mise a la masse geophysical survey, hydrocarbon fingerprints and groundwater contour maps.

12/1/03 Sent letter to C. Wein, BP, requesting additional information including a UST closure report, remedial investigation

reports and any quarterly monitoring reports.

12/2/03 Notes from BP meeting on 5/14-5/15/02

1995 Phase II completed by Tyree
1996 Additional delineation completed
1997 SVE/AS pilot study completed
1998-01 Monthly EFR events
2001 Hess concerned Amoco LNAPL migrating onto their property

10/23/01 Survey and gauging of both Amoco and Hess sites.
Depth to groundwater- 23-24' flowing southeast
Sensitive receptors: residences with basements approx 50' from property boundary. Utility vaults approx 30' from boundary.

Site has had LNAPL since Oct 1999. EFR has had limited success in recovering LNAPL. LNAPL identified on both sites is from the same source. The Hess LNAPL appears closer to the source. BP's future actions is to remove LNAPL from its wells with an active LNAPL pump for a year followed by the addition of a low vacuum to the LNAPL pumping wells.

12/8/03 Received 1Q and 2Q 2003 monitoring reports. LNAPL limited to 0.02' in MW-4. Total BTEX ranges from ND(MW-9, MW-10) to [illegible]7ppb(MW-5).

2/17/04 Received 3Q2002(Delta, 2/12/04), 4Q2002 monitoring report(Delta, 5/13/02) and SHAR addendum(1/14/04). SHAR addendum documents installation of three additional 2" off-site GW monitoring wells and two 1" on-site vapor monitoring wells. This was completed 11/20-11/21/03. MW-11, MW-12 and MW-13 were completed to 30.5'. VMW-3 and VMW-4 were completed to 19'. DTW approx 24'. Pneumatic recovery unit on site.

Soil analytical from MW-11(24-26') contained 38,900ppb total BTEX. Other four wells had some hits for VOCs but none above TAGM soil cleanup objectives.

3/24/04 Files found. A. Lapine notified not to send previously requested information.

5/14/04 Site visit with J. Sun to Hess at 530 Utica for SVE system startup. Noted MW-5 may be impacted by runoff from 2 coin operated car washs(next to system shed). Did not see any collection drains. Asphalt around some of the wells is damaged. Some sheens noted running over wells. Will need more info on car wash operation.

5/14/04 Email to A. Lapine requesting status update and future initiatives. Also requested he send me the RAP for the pnemautic system and any reports more recent than 2Q2003.

5/20/04 Spoke to A. Lapine. Pneumatic recovery system has been running since 2002. 25gal total recovery. No LNAPL since beginning of 2003. He doesn't have a copy of a stip signed 3/18/02 or a RAP for implementing system. Moving forward, will need a RAP(possibly suggesting bio or natural attenuation). Should be receiving more recent groundwater data tomorrow. Highest BTEX conc is 16891ppb(MW-4) from 1Q04.

5/21/04 Received 3Q03, 4Q03, and 1Q04 monitoring reports. MW-11(upgradient on Rutland), MW-12 and MW-13 (downgradient on E 51st

St) are newer installations. MW-11 has exceedances for BTEX and MTBE. MW-12 is ND for BTEX and MTBE. MW-13 was non-detect in 4Q2003 now has minor hits for BTEX/MTBE.

8/17/04 2Q04 monitoring report recieved. BTEX from ND(MW-9,10,13) to 17531ppb(MW-4). MTBE from ND(MW-5,9,10,12) to 600ppb(MW-1).

4/27/05 Portfolio meeting- Smear zone impacts across entire site. Vapor wells installed adjacent to church was non-detect (12-15'bgs). Vapor wells adjacent to residences also non-detect(5-10'bgs). Additional wells will be installed directly above watertable. Pneumatic skimmers recovered 25gal total and less than 1gal currently. Started geochemical sampling 12/04 which indicates the subsurface is a reducing environment. Sulfate in impacted zone. Maintaining skimmer, to install vapor points and model. Will submit RAP for biostimulation.

5/17/05 Received letter from Delta. LNAPL has not been observed in any MW since 8/03. Delta requests permission to suspend the operation of the skimmer. No measurable amount of LNAPL has been recovered during the past two years. Delta is in the process of collecting sufficient data to support its submission of a revised RAP to propose biostimulation.

6/30/05 4Q04- BTEX from ND(MW-9,10,12) to 10653ppb(MW-1). MTBE from ND(MW-5,9,10,11,12) to 432ppb(MW-1).

11/9/05: Reviewed quarterly monitoring report dated 10/7/05. Thirteen wells were sampled on 3/3/05. No free product present. Max BTEX is 24800 ppb(MW1) and max MTBE is 430ppb(MW1). The contaminant plume extends under adjacent residences on E 51st St. BTEX ntration increased in 9 of the 13 wells sampled.

11/29/05 3Q05- Ten of twelve wells sampled on 9/8/05. DTW 21.59-23.31'bgs. No LNAPL. BTEX from ND(MW-9,10) to 17317ppb(MW-1). MTBE from ND(MW-3,5,6,9,10,11,12) to 40.2ppb(MW-4). Generally decreasing BTEX and MTBE trends. Increased concentration in MW-12, adjacent to residence.

1/5/06 UST excavation assessment report received. Five 4000gal double-walled fiberglass tanks were excavated in good condition between 10/20/05 and 10/28/05. Pumps, piping and tanks were removed. Post-excavation soil samples were collected and two of eighteen samples identified VOCs in excess of cleanup objectives. These were from the former product piping run at 3.5-4'bgs.

3/3/06 4Q05- Ten of thirteen wells sampled on 11/3/05. BDTW 21.49-23.22'bgs. No LNAPL. BTEX ranged from ND(MW-9,10) to 4827ppb(MW-5). MTBE from ND(MW-3,5,6,8,9,10,11,12) to 3.3ppb(MW-13). Increase again in MW-12.

3/16/06 Met with BP and Delta. Site was razed in 10/05 and is to be redeveloped. DTW 22-24'bgs. Impacts in smear zone. Site owner will be contacted.

6/8/2006 - Feng - project reassigned to RJFeng. (RJF)

12/27/2006 - Feng - 1Q2006, 10/20/2006, by Delta. Groundwater sampled and gauged 2/2/2006. 8 onsite and 5 offsite monitoring wells. 10 wells were sampled. DTW 21.38' to 23.11' bg. Flows southeast. No LNAPL. MW-1, destroyed. MW-2, 575 ppb BTEX, 1.3 ppb MTBE. MW-3, 80.5 ppb BTEX, less than 1 ppb MTBE. MW-4, destroyed. MW-5, 7,492 ppb BTEX, less than 5 ppb MTBE. MW-6, 2,201 ppb BTEX, less than 2.5 ppb MTBE. MW-7, destroyed. MW-8, 2,513 ppb BTEX, 2.1 ppb MTBE. MW-9, ND. MW-10, ND. MW-11, 445 ppb BTEX, less than 1 ppb MTBE. MW-12, 102 ppb BTEX, less than 1 ppb MTBE. MW-13, ND. (RJF)

12/27/2006 - Feng - 2Q2006, 12/6/2006, by Delta. Groundwater sampled and gauged 6/13/2006. 10/13 monitoring wells were sampled.

DTW 21.47' to 23.18' bg. Flows southeast. No LNAPL. MW-1, well destroyed. MW-2, 511 ppb BTEX, less than 1 ppb MTBE. MW-3, 176.06 ppb BTEX, less than 1 ppb MTBE. MW-4, well destroyed. MW-5, 6,448.2 ppb BTEX, less than 10 ppb MTBE. MW-6, 758.1 ppb BTEX, less than 2 ppb MTBE. MW-7, well destroyed. MW-8, 549.1 ppb BTEX, 1.1 ppb MTBE. MW-9, ND. MW-10, ND. MW-11, 655.4 ppb BTEX, less than 2.5 ppb MTBE. MW-12, 170.8 ppb BTEX. MW-13, ND. (RJF)

6/12/2007 - Feng - 3Q2006, 1/29/2007. Groundwater sampled 8/21/2006. All 10 monitoring wells were sampled. DTW 21.38' to 23.09' bg. Flows to southeast. No LNAPL. No MTBE. MW-2, 784 ppb BTEX. MW-3, 192 ppb BTEX. MW-5, 14,145 ppb BTEX. MW-6, 510 ppb BTEX. MW-8, 1,773 ppb BTEX. MW-9, 0.66 ppb BTEX. MW-10, ND. MW-11, 1,359 ppb BTEX. MW-12, 102 ppb BTEX. MW-13, ND.

6/12/2007 - Feng - 4Q2006, 2/15/2007. Groundwater sampled 11/2/2006. All 10 monitoring wells were sampled. DTW 19.26' to 22.83' bg. Flows to northeast. LNAPL in MW-6 (1.25'). No MTBE. MW-2, 124 ppb BTEX. MW-3, ND. MW-5, 3,635 ppb BTEX. MW-6, 2,229 BTEX. MW-8, 949 ppb BTEX. MW-9, ND. MW-10, ND. MW-11, 515 ppb BTEX. MW-12, ND. MW-13, ND. (RJF)

12/10/2007 - Feng - 1Q2007, 11/30/2007. Groundwater sampled 3/5/2007. All 10 monitoring wells were sampled. DTW 19.26' to 22.83' bg. Flows to northwest. No LNAPL. BTEX range 9,194 ppb (MW-5). MTBE range ND to 0.43 ppb (MW-8).

2Q2007, 11/30/2007. Groundwater sampled 5/10/2007. All 10 monitoring wells were sampled. DTW 21.08' to 23.14' bg. Flows to northwest. No LNAPL. BTEX range ND to 5,224 ppb (MW-5). MTBE range ND.

)7, 11/30/2007. Groundwater sampled 8/9/2007. 4/10 monitoring wells were sampled (MW-9, MW-10, MW-12 and MW-13). DTW to 22.63' bg. Flows to northwest. No LNAPL. BTEX range ND. MTBE ND. (RJF)

2/13/2008 - Feng - 4Q2007, 1/7/2007. Active Service station. The monitoring well network was gauged and sampled on 11/12/2007. 10 monitoring wells were gauged. DTW 21.51' to 23.10' bg. Flows to northwest. No LNAPL. 10 wells were sampled. BTEX range ND to 9,939 ppb (MW-5). MTBE range ND. (RJF)

3/20/2008 - Feng - eDoc Quarterly Monitoring Report 1Q2008. (RJF)

6/16/2008 - Feng - 1Q2008, 3/6/2008. Active service station. The monitoring well network was gauged and sampled on 2/6/2008. 10 monitoring wells were gauged and sampled. DTW 21.52' to 23.26' bg. Flows to northwest. No LNAPL. BTEX range ND to 10,352 ppb (MW-5). MTBE ND. (RJF)

7/21/2008 - update from Delta. "The spill number was generated due to a tank removal operation in 1993. Vacuum extraction and excavation were conducted in the 1990s, as well as NAPL recovery through an active system. In 2005 the site was razed and rebuilt, but post-construction ground water concentrations initially remained high (mid thousands ppb up to about 10,000 ppb) across the site. Ground water geochemistry was evaluated in 2007 to determine the potential effectiveness of biostimulation, but concentrations have decreased somewhat in 2008 (Concentrations remain in the mid to thousands ppb total BTEX in two wells). We will evaluate the need to biostimulate vs MNA at this site, and continue monitoring trends over time."

10/29/2008 – 2Q2008, 8/27/2008, by Delta. Active service station. the monitoring well network was gauged and sampled 5/29/2008. 10 wells were gauged. NO LNAPL. DTW 21.76' to 23.47' bg. Flows to southeast. 10 wells sampled. BTEX range ND to 12,001 ug/L (MW-5). MTBE range ND.

3/4/2009 – 4Q2008, 1/29/2009, by EnviroTrac. Former BP service station. The monitoring well network was gauged and sampled on 11/20/2008. 10 wells were gauged. NO LNAPL. DTW 22.03' to 23.75' bg. Flows to southeast. 10 wells were sampled. Max benzene 160 ug/L (MW-8). Max BTEX 13,416 ug/L (MW-5). Max MTBE less than 10 ug/L (MW-5). (RJF)

7/22/2009 – 1Q2009, 5/7/2009, by EnviroTrac. Former BP service station. The monitoring well network was gauged and sampled on 2/13/2009. 10 wells were gauged. NO LNAPL. DTW 21.00' to 23.17' bg. Flows to southeast, historic flows to northwest. 10 wells were sampled. Max benzene 100 ug/L (MW-8). Max BTEX 13,359.7 ug/L (MW-5). Max MTBE less than 2.5 ug/L (MW-5).

7/22/2009 – Reviewed Drilling Work Plan, dated May 29, 2009, by Delta. Delta proposes to install 5 soil boring at the former tank field area. Reviewed groundwater monitoring history and provided comments. DEC requires 1) soil borings at the center portion of the site; 2) soil borings at upgradient; 3) possibility to delineation closer downgradient at the alley way between the site and the residential houses; 4) select onsite wells also to create hydrgraphs. Revision is due within 30 days, 8/22/2009. (RJF)

9/10/2009 – Email from Delta. Delta planned out the necessary work during the development including soil removal, post ation collection, soil boring work plan submittal in 8/31/2009, IRAP submittal, and the dry well issue in the parking lot. iminary development plan is attached. in eDoc. (RJF)

9/16/2009 – Email from Delta, dated 9/16/2009. Delta met with developer's general contractor onsite yesterday. Attached a more clear footing excavation plan. The building will be slab on grade.

10/6/2009 – 2Q2009, 8/17/2009, by EnviroTrac. Former BP Service Station. The monitoring well network was gauged and sampled on May 5, 2009. 10 wells were gauged. NO LNAPL. DTW 21.97' to 23.20' bg. Flows to north northwest. 10 wells were sampled. Max benzene 15 ug/L (MW-8). Max BTEX 14,443 ug/L (MW-5). Max MTBE 5 ug/L (MW-5). (RJF)

Reviewed Revised Drilling Work Plan, dated August 31, 2009, by Delta. Delta proposes to install 12 soil borings onsite and 1 monitoring well MW-14 at the sidewalk of Utica Ave. email comments to Delta, groundwater sampling number and the well installation questions. Revision shall be expected shortly. (RJF)

10/16/2009 – Reviewed Revised Drilling Work Plan, dated October 13, 2009, by Delta. comments are addressed. Work plan is approved. SHARA due 1/2010. (RJF)

11/5/2009 – 3Q2009, 10/30/2009, pdf, by EnviroTrac. Former BP service station. The monitoring well network was gauged and sampled on August 31, 2009. 10 wells were gauged. NO LNAPL. DTW 21.97' to 23.67' bg. Inferred Flows to south. Historic flows to northwest. 10 wells were sampled. Max benzene 360 ug/L (MW-8). Max BTEX 11,990 ug/L (MW-5). Max MTBE less than 2.5 ug/L (MW-5). (RJF)

1/18/2010 – email from Delta, attached site development plan and site pictures. The planned building will have a partial basement beneath two of the seven tenant spaces along Utica Ave. The partial basement will extend approx. 10 feet below groundwater surface.

4/6/2010 – Work Plan for Onsite Monitoring Well Abandonment, dated 1/29/2010, by Delta. Delta wants to abandon all the onsite monitoring wells, MW-2, MW-3, MW-5, MW-6 and MW-8 before they are destroyed due to the construction.

Reviewed Vapor Investigation Work Plan, dated 2/19/2010, by Delta. Delta proposes to install 3 vapor sampling points in the partial basement area of the new buidling to assess the soil vapor impacts.

Remediation Work Plan for Chemical Oxidation Solution Pilot Application, dated 4/7/2010, by Delta. Delta proposes to ChemOx application pilot. Temporary injection well and downgradient wells will be installed for monitoring, but no site plan with wells location is included.

Comments to Delta. 1) fine with the wells abandonment; 2) asked legal to help on the access; 3) DEC suggests more vapor sampling points in the slab-on-grade area; 4) no site plan is included, and DEC requires monitoring wells to be installed within the plume area for future full scale application; 5) pouring basement floor or the whole building floor?

4/19/2010 – Reviewd Work Plan for Soil Vapor Investigation, dated 4/12/2010, by Delta. Delta added 5 additional sampling points in the slab-on-grade area in addition to the 3 in the basement area. Work Plan is approved. Report due 6/2010.

Reviewed SHARA dated 2/25/2010 and the Remediation Work Plan for Chemical Oxidation Solution Pilot Application, dated 4/12/2010. will install 1 temporary injection point PS-1 and 4 temporary monitoring wells MW-15 through MW-18 for a pilot. Delta will 1,000 gallon of sodium persulfate/EDTA-chelated Fe(II) solution (1.0 kg/gal sodium persulfate /15.7 gm/gal EDTA-Fe(II)). Baseline will be sampled, and day of the application, following day, and weekly for 3 weeks will be sampled.

Comments to Delta. 1) construction schedule; 2) permanent monitoring wells within the building's footprint; 3) need also to have remedial alternatives; 4) to schedule a conference call; 5) pdf copy of the SHARA.

6/2/2010 – 4Q2009, 1/27/2010, by EnviroTrac. The monitoring well network was gauged and sampled on 11/24/2009. 11 soil borings were advanced and 1 monitoring well was installed in 11/2009. MW-14 was gauged and sampled on 12/9/2009. SHARA will be submitted. 10 wells were gauged. NO LNAPL. DTW 22.19-23.19' bg. Inferred Flows to south. Historic flows to northwest. 10 wells were sampled. Max benzene 400 ug/L (MW-8). Max BTEX 14,909.5 ug/L (MW-5). Max MTBE less than 2.5 ug/L (MW-5)

1Q2010, 4/15/2010, by EnviroTrac. The monitoring well network was gauged and sampled on 2/19/2010. 7 wells were gauged. NO LNAPL. DTW 22.38-23.95' bg. Inferred flows to south. Historic flows to northwest. 6 wells were sampled. MW-2, MW-3, MW-5, MW-6 and MW-8 inaccessible due to site construction. Max benzene 1.6 ug/L (MW-14). Max BTEX 862.6 ug/L (MW-14). Max MTBE less than 1.0 ug/L (MW-14).

6/10/2010 – conference call with Delta. The basement foundation is in, and they are about to pour the whole building's foundation. Delta forwarded the soil vapor sampling results to DEC. Vapor barrier will be installed, but the installation of a SSDS beneath the whole buidling will be determined upon DOH's evaluation of the soil vapor sampling resulst. MW-15 through MW-18 will be permanent monitoring wells. One more injection well will be installed in the middle of the site. Delta will send a revised site plan with injection wells and monitoring wells locaiton.

Forward the vapor sampling results to Mike Hughes (NYSDOH) for review and comments on the need of a SSDS.

6/11/2010 – Received the revised site plan with 5 injection wells (some with remote access) and 5 monitoring wells (MW–19 is added in the planned parking lot area). Email to Delta approving the pilot test, a letter will sent later today or Monday.

6/14/2010 – Letter to BP. Pilot test report due 8/2010.

6/15/2010 – Received Mike Hughes's comments. He recommends placing 4–inch layer of coarse aggregate (No. 2 stone) under the proposed vapor barrier and building slab. In addition, placing a 4–inch pipe from a likely sub–slab vapor extraction point(s) up through an internal building chase to ease the installation of an ASD fan if necessary.
Forward comments to BP/Dalta and require them to submit work plan for the stone layer and the piping within next week or two.

7/26/2010 – 2Q2010, 7/23/2010, by Delta. Gauged and sampled on 5/18/2010. 6 offsite wells. DTW 21.69 (MW–9) to 25.55 (MW–11). NO LNAPL. Flows to northwest. Max BTEX 610 ug/L (MW–11). max MTBE less than 0.5 ug/L (all wells).

08/06/2010: This spill was temporarily (for 6 months) transferred to A. Doronova. – AD
Received an e–mail from:

"M. Doronova,

Attached please find a letter summarizing the results of a vapor investigation we performed in the footprint of the planned [illegible]g at the above–referenced site. We performed the work in May and previously submitted a summary table of the results to [illegible]eng. The attached write up simply serves to formally document our findings.

Thank you,

gh

Gordon Hinshalwood, PhD| North American Operations
Delta Consultants, an Oranjewoud N.V. Company
Direct +1 914 495 9933 | USA Toll Free 800 477 7411
ghinshalwood@deltaenv.com | www.deltaenv.com

Sustainable Strategies for Global Leaders"

DL the report to eDocs. Will review. AD

11/18/2010: Received an e–mail from Delta:

"Attached, please find a copy of the NYSDEC Spill Number 93–09669, Former AMOCO Station Number 00655, 529 Utica Ave., Brooklyn, NY 3Q Ground Water Monitoring report.

Please call me with any questions.

Thank you,

Stephanie Barnett

Stephanie Barnett I Admin./Local Contact
Delta Consultants, an Oranjewoud N.V. Company
Direct +1 914 495 9950 | USA Toll Free 800 477 7411
sbarnett@deltaenv.com | www.deltaenv.com"

DL the report to eDocs. Will review. AD

12/16/2010: Reviewed the report. The monitoring well network was gauged and sampled on August 23, 2010. Total 16 wells were sampled. BTEX and MTBE concentrations were ND or insignificant in 7 wells: PS-4 (ND and 0.5ppb), MW-9 (ND and 0.5ppb), MW-10 (ND and 0.5ppb), MW-12 (ND and 0.5ppb), MW-13 (ND and 0.5ppb), MW-14 (105PPB and 0.5ppb) and MW-19 (nd AND 0.5PPB). Moderate levels of BTEX and MTBE were noted in wells: PS-3 (4.590ppb and 2.5ppb), PS-5 (5.440ppb and 2.5ppb) and MW-15 (10,015ppb and 0.5ppb). High concentrations of BTEX and MTBE were detected in 3 wells: MW-16 (52,800ppb and 25ppb), MW-17 (25,370ppb and 10ppb) and MW-18 (21,549ppb and 10ppb). No LNAPL was detected in the site wells. GW flows is to south-southeast. Delta recommends to continue groundwater monitoring at the site. AD

02/04/2011: Received 4 Quarter Ground Water Monitoring report from Antea Group (former Delta). DL to eDocs. Will review. AD

/2011: Reviewed the report. The monitoring well network was gauged and sampled on November 9, 2010. Total 15 wells were ıed. BTEX and MTBE concentrations were ND or insignificant in 6 wells: PS-4 (1.1ppb and 0.5ppb), MW-9 (ND and 0.5ppb), MW-10 (ND and 0.5ppb), MW-11 (ND and 0.5ppb), MW-13 (45 and 0.5ppb), and MW-19 (ND and 0.5ppb). Moderate levels of BTEX and MTBE were noted in 3 wells: MW-14 (487ppb and 0.5ppb), MW-12 (1,452ppb and 0.5), and PS-1 (923ppb and 1.oppb). High concentrations of BTEX and MTBE were detected in 6 wells: PS-5 (6,220ppb from 5.440ppb and 0.5ppb from 2.5ppb), MW-16 (50,890ppb from 52,800ppb and 25ppb), MW-17 (13,140ppb from 25,370ppb and 10ppb), PS-2 (5,346ppb and 1ppb), PS-3 (4,150ppb from 4.590ppb and 1ppb from 2.5ppb), and MW-18 (17,456ppb from 21,549ppb and 10ppb). No LNAPL was detected in the site wells. GW flows is to south-southeast. Antea Group recommends to continue groundwater monitoring at the site. Due to significant VOCs concentrations in the site wells to request additional remediation. AD

4/8/2011 - spill transferred back to JFeng.

4/25/2011 - email from Chris Meyer of Anteagroup.
"Good morning June
Attached is the next monitoring report for the above-referenced project.
Chris"
eDoc the 1Q2011 report. JF

7/6/2011 - Reviewed 1Q2011, dated April 13, 2011, by Anteagroup. The monitoring well network was sampled on 2/3/2011. 8 wells were sampled. NO LNAPL. High BTEX in multiple wells. Max BTEX 13,649 ug/L (MW-18). Injection wells PS-1 through PS-5 are in. PS-3, PS-4 and PS-5 were installed to have remote well access outside the proposed building footprint. Flows to south.

10/21/2011 - 2Q2011, 7/28/2011, by Anteagroup. The groundwater samples were collected on May 4, 2011. 14 wells were sampled. NO LNAPL. High BTEX in multiple wells. Max BTEX 14,826 ug/L (MW-18).

11/22/2011 – 3Q2011, 11/09/2011, by Antea Group. The groundwater samples were collected on August 12, 2011. 10 wells were sampled. NO LNAPL. Max BTEX in MW-18, 10,817 ug/L, less than 2.5 ug/L MTBE.

2/8/2012 – Reviewed Chemical Oxidation Solution Pilot Application Summary Report, dated 11/11/2011, by Antea Group. The Chemox pilot was done on 7/26/2011. 700 gallon of pre-drummed sodium persulfate in concentration of 0.5 kg/gal and 300 gal EDTA chelating (0.02 kg/gal EDTA-Fe(II)) into PS-1. 350 gallon of SPS, follow by 300 gallon EDTA chelating, then follow by another 350 gallon of SPS into PS-1 using a diaphragm pump connects to the drums and well head. Pre-app, and post-app sampling at all wells. Suflate concentration is PS-1 spiked to 2,500 mg/L and then dissipated to minimal in 4 weeks. MW-9 (180 feet from PS-1) spiked 70 mg/L and then dissipated out. Antea proposes to perform a full scale pilot by injection 1,000 gallon of solution into PS-1, PS-2, PS-3, PS-4 and PS-5. If the full scale pilot is successful, then a RAP will be submitted. JF

2/14/2012 – sent approval letter of the full scale pilot to BP. Pilot test report due 4/2012. JF

2/20/2012 – email and letter from Gordon Hinshalwood. They will not be able to meet the April deadline.

6/4/2012 – 1Q2012, 4/27/2012, by Antea Group. MW-11, 350 ug/L BTEX. MW-14, 312 ug/L BTEX. MW-18, 12,362 ug/L BTEX, less than 10 ug/L MTBE. PS-1, 562 ug/L BTEX. PS-2, 570 ug/L BTEX.

9/21/2012 – 2Q2012, 7/30/2012, by Antea Group. The groundwater was sampled on May 14, 15, 2012. The next sampling will be in t 2012. MW-11, 370 BTEX, less than 0.5 MTBE. MW-14, 220 BTEX, less than 0.5 MTBE. MW-15, 448 BTEX, less than 1.0 MTBE. 16, 26,310 BTEX, less than 10 MTBE. MW-17, 12,784 BTEX, less than 2.5 MTBE. MW-18, 14,910 BTEX, less than 5.0 MTBE. PS-1, 974 BTEX, less than 0.5 MTBE. PS-2, 957 BTEX, less than 1.0 MTBE. PS-3, 1,248 BTEX, less than 0.5 MTBE. PS-5, 184 BTEX, less than 0.5 MTBE.

12/13/2012 – response to Jim DeMartines's inquiry. "BP proposed a ChemOx injection pilot test at the site. The Department apporved the pilot test and the test took place. After that, BP proposed another full scale pilot test. The Department also approved this additional test and it is taking place. The Department considers that the pilot tests are part of the remediation plan for the site. The next step shall be a proposal to conduct a fule scale injection program or another remedial option if the pilot tests did not show favorable results. "

12/21/2012 – 3Q2012, 11/8/2012, by Antea Group. The groundwater was sampled on August 28, 2012. The next sampling will be in November 2012. MW-11, 111 BTEX. MW-13, 261 BTEX. MW-14, 362 BTEX. MW-18, 12,299 BTEX. PS-1, 713 BTEX. Table 2 with sulfate sampling concentrations.

7/23/2013 – met with BP/Antea. The well in the dental office is seal with concrete. BP/Antea did the remediation, then open the concrete seal to sample the well and then seal it up again. BTEX concentration drop 96% in MW-16, 84% in MW-17 and 59% in MW-18 in the first round of sampling after the 2 application of sodicum persulfate. DEC J. Vought suggest downgradient sampling instead of the onsite sampling given this site specific condition.

Map Identification Number 7 **RUTLAND TOWERS –NYCHA** **Spill Number: 9801630** **Close Date:**
955 RUTLAND RD BROOKLYN, NY TT–Id: 520A–0042–132

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1253 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ROPER ZEIDAN – NYC HOUSING AUTHORITY	Spiller Phone:	(718) 449–6564
Notifier Type:	Responsible Party	Notifier Name:	ROPER ZEIDAN	Notifier Phone:	(718) 449–6564
Caller Name:	ROPER ZEIDAN	Caller Agency:	NYC HOUSING AUTH	Caller Phone:	(718) 449–6564
DEC Investigator:	jkkann	Contact for more spill info:	ROPER ZEIDAN	Contact Person Phone:	(718) 449–6564

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
05/08/1998		UNKNOWN	2–474150	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:

CALER FOUND CONTAMINTED SOIL WHILE HAVING TANKS CHANGED OVER

DEC Investigator Remarks:

12/07/05: This spill transferred from J.Kolleeny to S.Kraszewski.

03/23/06: This spill transferred to K.Tang – SK

09/23/10: J.Kann – spill transferred from K. Tang to J.Kann.

03/1/12: J.Kann – iwp recvd 2/28/12 and edoced today

Map Identification Number 8 **PVT DWELLING/APT BUILDING** **Spill Number: 1010574** **Close Date:**
950 RUTLAND RD BROOKLYN, NY TT-Id: 520A-0258-111

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1341 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: URBAN AMERICAN/BEN WEISSBOURD
Notifier Name:
Caller Agency:
Contact for more spill info: URBAN AMERICAN/BEN WEISSBOURD

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (201) 537-5150

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
12/27/2010		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:

7500gal ust/loss of product to soil

DEC Investigator Remarks:

Old buried 7500 gal #2 oil tank that has been out of service for 10-15 years.
Tank was drained and filled with cement.
Now a bank asked the building to test the soil around this abandoned tank and they found contamination. The building owner now has to make a choice to try to dig out a very heavy cement filled 7500 gal tank in a narrow outdoor space right next to the building. OR leave the tank in place and treat the contaminated soil around the tank. A lot of soil boring testing has been done around the tank and they know exactly how much contamination there is and how far out from the tank the contamination goes. Consultant will come up with a cleanup plan and will submit it to Veronica Zhune within 1-2 weeks.

Manager Ben Weisvourd 201-537-5150

02/18/13-Zhune received and reviewed the Remedial Investigation Report/Remedial Action Work Plan dated February 18,2013. A total of nine soil borings were installed around the perimeter of the abandoned underground tank. No laboratory analysis was performed on the initial four borings SB-1 through SB-4. Evidence of petroleum staining, odors, and product impacts was found

along each side and ends of the tank.

The soil analytical results for the five additional borings indicated that VOCs

Map Identification Number 9 **KINGS COUNTY HOSPITAL CSL** **Spill Number: 0904786** **Close Date:**
WINTHROPE AVE BLDG D BROOKLYN, NY TT-Id: 520A-0230-852

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 2621 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: WINTHROP ST
Revised zip code: 11203

Source of Spill:	GASOLINE STATION	Spiller:	KINGS COUNTY HOSPITAL	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RVKETANI	Contact for more spill info:	DENNIS TEEHAN	Contact Person Phone:	(845) 784-8188

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
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
07/24/2009		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:

WHILE EXCAVATING CONTAMINATED SOIL WAS FOUND CLEAN UP IS PENDING.

DEC Investigator Remarks:

will be assigned to Ahmed after CSL is sent.

8/14/09 - Austin - Spoke with Dan Orlach (sp?) of Liro Engineering (c)-516-492-1373. He has taken post-ex soil samples, and wanted to know where to send the results. I told him to send them to DEC Sangesland, who would forward them to DEC Ahmed for review. - end

8/24/2009 Below is an e-mail from Daniel Orlic at Liro Engineering concerning excavations and sampling at this site:

On July 24th, 2009 during excavation activities located at Kings County Hospital Center, Winthrop Avenue Building D, Brooklyn, New York, LiRo Construction Management (LiRo CM) site representative observed petroleum stained soil directly below the emergency generator fill pipe located at the north side of the building. Upon its discovery, no further excavation was performed and the above referenced spill number was set up with the New York State Department of Environmental Conservation (NYSDEC).

On August 3rd, 2009, the impacted soil was excavated to a depth of 6 feet below grade (fbg) and stored in 55-gallon steel drums. Petroleum staining was not observed below 5 fbg. Soil samples were collected from the intervals of 3 to 5 fbg, and 5 to 7 fbg. These samples were analyzed for Spill Technology and Remediation Series (STARS) List Volatile Organic Compounds (VOCs) via EPA Method 8260b and STARS List Semivolatile Organic Compounds (SVOCs) via EPA Method 8270BN. No exceedances were observed under 6 CFR 375, subpart 375-6.8(b) Restricted Use Soil Cleanup Objectives for Restricted Commercial Use. Laboratory [illegible]s are attached.

Pursuant to our telephone conversation with Peter Desrochers, the Senior Engineer at Dormitory Authority of New York (DASNY) Code Compliance, on August 20, 2009, these results satisfy the compliance levels applied by DASNY for this type of facility. Consequently, no further remediation or special waste disposal measures will be required.

With your consent, we will forward these findings to DASNY with the recommendation that the contractor continue with the excavation to the depth already established by the project work plan, at which point LiRo Engineering, Inc will collect two post excavation samples to confirm that there are no further exceedances, and no further action remedial action would be needed. The post excavation samples will consist of samples taken directly beneath the source of the contamination within the excavation. These samples will be analyzed for STARS list VOCs and SVOCs as per EPA Methods 8260b and 8270BN.

We would like to move ahead with the excavation, and would like to confer with you in regards to our next step, so please contact me at your earliest convenience.

Thank you. Daniel Orlic, Project Manager | LiRo Engineers, Inc.
3 Aerial Way | Syosset | New York 11791
Phone: (516) 938-5476 | Fax: (516) 937-5421

Cell: (516) 492-1373 | Email: orlicd@liro.com
********** Sangesland forwarded the following approval to Mr. Orlic****
Yes, continue with your excavation work.
When the excavation is complete, take the two post excavation samples discussed below and send the sample results and a spill closure request to:
Hasan Ahmed here at the NYSDEC hrahmed@gw.dec.state.ny.us
If you have any further questions, please contact Mr. Ahmed directly at: 718-482-7533

10/27/11 – Austin – Transferring this case from Ahmed to Ketani – end

8/26/13 – Raphael Ketani. This case was transferred from Hassan Hussein, EE III, to me several months ago. I contacted Mr. Orlic and he said that he is no longer the case manager for the project. He will contact the case manager at LiRo Engineering and have this person send me all of the documents.



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.

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

Map Identification Number 10 **KINGSBORO PSYCH CENTER**
681 CLARKSON AVE, BLDG 1 BROOKLYN, NY **Spill Number: 0803642** **Close Date:**
TT-Id: 520A-0216-021

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING – LARGE SITE
Approximate distance from property: 593 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 681 CLARKSON AVE
Revised zip code: 11203

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	DONALD HOLFORD – KINGSBORO PSYCH CTR	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	vszhune	Contact for more spill info:	DONALD HOLFORD	Contact Person Phone:	(347) 880-4094

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
06/27/2008		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	1600	GALLONS	0	GALLONS	SOIL, SEWER

Caller Remarks:

MALFUNCTION IN A TRANSFER PUMP THAT RUNS GENERATER, AND CAUSED OIL TO BE PUMPED INTO A ROOM AND STORM DRAIN AND GOES INTO SEWER SYSTEM AND SOME FOUND IN GRASSY AREA

DEC Investigator Remarks:

6/27/08 – Raphael Ketani. I went to the site of the oil spill. The staff at the Kingsboro Psychiatric Center estimate that 1600 gals. were lost. The spill date is 6/27/08 and involves diesel fuel for the generator.

I met Donald Holford, Deputy Director Administration, Director of Safety, at the site (718) 221–7445. He said that the generator is used for power when Con Ed tells them they are dropping customers because of high summer demand. He said that they used 200 gals. over the past 6 months. Tank #011 normally holds 2500 gals. of diesel. However, a worker measured the oil level and found that only 200 gals. were left. An alarm had been turned off. So no one knew that the oil was spilling. One sensor had been indicating that fuel was needed, but it wasn't believed to be accurate until the measurement and shortage were discovered. He said hospital staff check out the ground level floor and second floor levels of the nearby building, building #1. However, they didn't find any oil inside, nor any odors.

We went over to the generator trailer. It is on the east side of building #1 and about 30 or 40 feet away. There I met David Labron, the power plant engineer (718) 221–7269), and Ms. Terry Levy, EIC, the OGS representative and resident engineer (718) 804–0730. Mr. Holford said that a transfer pump had failed. It was trying to transfer oil to tank #011B (275 gal. capacity) when the spill took place. The oil spilled inside the generator trailer and someone had cleaned it up, he said. However, I could see that the oil had spill out of the trailer, onto the ground, and had run into the sewer. The ambient air smelled of oil and the PID meter detected 220 ppb at about 4 feet above the oil stained ground. The PID readings were 27 ppm inside the sewer, and 5 ppm inside the trailer. We went inside the building to determine the vapor concentrations.

[illegible]l transfer pump room had 196 ppb and the adjacent room had 327 ppb. The rooms had bare concrete floors. These rooms were [illegible]te the generator trailer. Next, we went to the second floor. Here, new renovations had taken place. The floors were covered with vinyl tiles that were glued to the concrete. Vapor levels were 0 ppb. I measured the vapor levels in the stairwells, and they were 0 ppb.

Mr. Holford told me that OGS has already been contacted and they will send an engineer to look at the problem. This will be Leonard Etienne, HVAC Supervisor of OGS – MEP Area Supervisor. Mr. Etienne will be at the site at 2:00PM. Mr. Holford said that he dialed 311 and they will contact NYC DEP. Mr. Labron said that the spill took place teusday, 6/24/08.

Later, Keith Williams of NYC DEP arrived (718) 595–4755. He said that the sewer emptied into a City sanitary sewer. However, I did not find out whether the sewer leads to a CSO or a treatment plant. He said he was going to find out whether there is any residual oil in the sewers under the street. I told Ms. Levy that the soil will have to be dug out, and end points will have to be taken. I added that the generator trailer floor will have to be cleaned better and any residual oil will have to be recovered from the sewer next to the generator. After this I left the site.

I sent a CSL to Donald Holford, Deputy Director of Administration, Kingsboro Pyschiatric Center, 681 Clarkson Avenue, Bldg. 29A, Brklyn, 11203. I included the violations that the spill wasn't called in when it was discoverd on teusday and that the alarm was left off. The PBS case is #2–337978.

6/30/08 – Raphael Ketani. Mike Pantliano of HDR (845) 735–8300, ext 311 called to say that the work crew is on site and they are digging out the contaminated soil right now. I told him to dig out as much soil as possible and to take end point samples. I added that the inside of the trailer and the sewer had to be cleaned up because there was still residual oil there. He said he will do this. I also asked him to find out whether the sewer goes to a CSO or a treatment plant. He said he will.

I spoke to Mr. Lebron regarding the tank system device that was turned off. He said is was a malfunctioning level probe in the

275 gal. tank (day tank). He said that the probe kept indicating that oil was necessary. When the service contractor examined the device, he found that the float switch was working, but the problem was with the Simplex system controller. Oil had spilled onto the top of the day tank and onto the floor of the trailer. The probe was turned off and the filling of the tank was done manually after the cleanup. The service contractor is working on the problem.

7/1/08 – Raphael Ketani. Mr. Pantliano called. He said that they are still working at the site. He said that they did two rounds of cleaning inside the trailer. He said that the vapor levels inside are now down to about the single digits. He said that they investigated the sewer and it is NOT A SEWER. It is a dry well. They will suck out as much soil as they can with a guzzler and then take an end point. I told him that if the end point results are well above TAGM, then they may have to use soil treatment solutions. He said that they are digging up the soil around the trailer and are making good progress. I told him to keep DEC informed.

7/2/08 – Raphael Ketani. Mr. Williams called me and left a voice mail. He said that the sewer leads to a combined sewer, and this goes to the treatment plant. I left a message for Mr. Pantliano that the drain is not a dry well, but a sewer that leads to a treatment plant.

Mr. Pantliano called me back. He said that he asked Kingsboro for the sewer plan drawings so that he can see what he is dealing with. I told him that whether it's a dry well or a sewer, it needs to be cleaned out, which includes collecting any free product and cleaning the walls of the pipe. He said someone will be sent down the drain to check out what's there.

– Raphael Ketani. Mr. Pantliano called to say that OGS gave him copies of the sewer plans. They show that the three drains next to the generator trailer are connected, but they don't go anywhere. Mr. Pantliano will send me a copy.

A boring was done on the clean side of the drain where the oil flowed to. At 7' to 8' the PID meter had some detections. So they went down to 12'. There, they had a little detection also. They then went down 30 feet and had small PID hits. A sample will be taken from this boring and sent off for analysis. They are digging out the contaminated area next to the generator. End point samples will be taken.

7/8/08 – Raphael Ketani. Mr. Pantliano of HDR (845) 735-8300, ext 311 called regarding progress at the site. He said that they dug out 50 cu. yds. of soil and went down 7 to 8 feet. Once there, they had PID readings of about 100 ppm. They couldn't go any deeper because they couldn't put up shoring next to the generator – otherwise there wouldn't be room to dig –and they couldn't slope the digging away from the building. Last friday, they vacuumed out the soil from the manhole. IT IS a dry well. They went down 4 feet. They collected a sample 20 feet below grade. PID readings at this point were 1 to 3 ppm. He will keep me informed.

7/14/08 – Raphael Ketani. Mr. Pantliano called. He said that they dug out everything that was contaminated horizontally. However, they have discovered that the bulk of the oil that spilled onto the ground went under and deep beneath the concrete slab supporting the generator. The PID readings deep under the slab are up to 200 ppm. I told him that a way has to be found to get to this oil and remediate it. He said he will investigate what the best method is. In the meantime, he will take a sidewall sample from the wall of the pit that border the generator area. Mr. Palisano also said that he will ask for more time to do the work as the deadline is approaching.

7/15/08 – Raphael Ketani. Mr. Pantliano e-mailed me and requested a 4 week extension of the deadline in the 6/27/08 CSL. I granted the extension. The new deadline is 9/5/08.

7/31/08 – Raphael Ketani. Today I received a 7/29/08 letter from Mr. Holford of Kingsboro Psychiatric Center (718) 221–7445. The letter had attached a 7/28/08 letter from URS concerning the oil spill. The cover letter from Mr. Holford explained the incident and Kingsboro's response, and went on to suggest that a soil investigation be undertaken. Mr. Holford indicated that an investigation plan will be forthcoming. The attached 7/28/08 letter from Thomas Thomann of URS explained the logistical problem with removing the soil underneath the generator pad.

I sent a response letter to Mr. Holford stating that we should see how high the contaminant concentrations are with the end point samples from the excavation and the dry well. I also stated that a soil investigation under the generator slab would be necessary in order to see whether there is contamination and whether it requires remediation.

8/19/08 – Raphael Ketani. The case is being prepared for transfer due to a case realignment within the unit. The case manager needs to make followup calls to see what progress has been made in the investigation and remediation. DEC needs to receive an investigation report and a remediation plan.

8/25/08 – Raphael Ketani. Mr. Chandra of URS (973) 812–6895 called to ask whether Spills requires that the consultants follow DER–10. I told him that they should follow DER–10, but to be aware that it's a DRAFT document and has DRAFT guidance. He also said that the oil vapors migrated through the electrical conduits to Building #1. The conduits run from the generator building to the electrical switch closet. He said that they had up to 200 ppm of vapors in the electrical switch closet. So they cleared out the air and vapors in the conduits and installed plugs in them. He said that there are no vapor problems in any other room in ' g #1.

09/25/08– zhune–A source removal and Investigation Report was sent by HDR on 09/08/08.

American began excavating on the western side of the generator. with limited egress near the generator building the excavation was a slow process that ocurred from july 8 2008 through July 14. 2008 until an area aproximatelly 40 feet in length 15 feet in width and 8 to 9 feet in depth had been removed. HDR in accordance with DER 10 section 3.9 collected a total of six wall samples (W–1 through W–6) and two excavation floor samples (F–1 through F–20. The soil samples were shipped under chain of custody (COC) protocol to Chemtech (ELA # 11376) for analysis of STARS list VOC's and SVOC's method 8260 and 8270 respectively.

Analytical results for the post excavation end point sample collected from the floor of the drywell(DW–1) indicated that a total of 6 VOC's exceed the RSCO

1,2,4 Trimethylbenzene	76	mg/Kg
1,3,5 "	25	"
m&p–Xylenes	15	"
n–buthylbenzene	13	"
n–Prophylbenzen	6	"
o–xylene	9.9	"
Toluene	1.6	"

Five of the eight post excavation end point samples coleected from the excavation along the generator cabin were found to be free of reportable concentrations of VOC'. The three remaining locations (F–1, W–1) had total VOC concenrations ranging from 19.6 mg/kg to
141.7 mg/kg.

F-1(8.5') Was collected along the northern floor of the excavation and a total of 12 VOC's and 1 SVOC's were detected at concentrations above the RSCO :

1,2,4 Trimethylbenzene	130	mg/Kg
1,3,5 "	40	"
4- Isopropyltolune	12	"
Benzene	0.1	"
Ethylbenzene	6.4	"
Isopropylbenzene	5.4	"
m&p-Xylenes	32	"
Naphthalene	28	"
n-buthylbenzene	19	"
n-Prophylbenzen	11	"
o-xylene	18	"
Toluene	3.8	"
SVOC's: Naphthalene	57	"

W-1 (4.5') was sampled along the eastern wall where impacted soils remain in place. A total of 6 VOC's and 1 SVOC's were reported at concentrations exceed the RSCO:

Trimethylbenzene	56	mg/Kg
1,3,5 "	19	"
m&p-Xylenes	12	"
Naphthalene	16	"
n-Prophylbenzen	4.8	"
o-xylene	6.9	"
SVOCS: Naphthalene	13	"

W-6(4.5) Also located along the eastern sidewall where impacted soil remain. Two VOC"s were reported in excess of RSCO however both wereless than one (1) mg/kg over the RSCO.

1,2,4 Trimethylbenzene	10	mg/Kg
1,3,5 "	4	"

Analytical data from the stockpile soil characterization composite sample (CS-1 and Pile)indicated that the soil stockpile was petroleum contaminated (TPH reported between 6,110mg/kg and 15,650 mg/kg. In addition PCB's were found in the stoklpile composite at 1.1 mg/kg.

Based on observations and analytical data obtained from soil samples collected during the immediate response. HDR has prepared a brief scope of work detaling the additional subsurface investigations at the spill site.

The purpose of this scope of work is to describe the additional subsurface investigations to determine the vertical impact to the soils and the potantial impacts to the groundwater.

A total of six borings will be advanced near the genrator cabin with 2 borings on the east side, 2 borings on the west side, and one boring on the north and south side respectively
Based on the previous boring advanced south of the drywell, impacted soils were noted to a depth of approximately 13 feet bgs. At 13 feet a suspected clay confining layer was noted and little to no impact was noted below this confining layer it maye be preventing downward migration of the petroleum. Therefore HDR recommends advancing the borings to an approximate depth of fifteen feet or until the confining layer is encountered. If no confining layer is encountered the borings will be advanced until the PID response of the screened soils is less than 5 units above background or until the watertable is encountered (estimated depth 40 ft bgs). If the boring is advanced to the water table a groundwater monitoring point will be installed and the representative groundwater sample will be collected.

Up to two soil samples will be selected from each boring for analysis at an analytical laboratory. The first sample from each boring will be collected from the interval with the highest reported PID response. Thee second sample will be collected at the bottom of each boring to verify that the soils at depth have not been impacted by the spill. in the event that the boring advanced to the watertable, based onthe field screening results, up to three groundwater samples will be colected for analysis.

If the field secreening and visual observations identify a specific zone that is obviously heavily impacted by the spill a series of one inch piezometers will be installed whithin this zone.

10/01/08– J.Vought and V.Zhune had a conference phone with Michael Pantliano from HDR, URS and OGS. Basically they wanted to ' s the Subsurface Investigation Scope of Work Report that was received 09/08/08. Jeff told them the Scope of Work was ı ,ed and approved. He requested additional investigation at previous Boring F–1 and PID survey in the basement of Building # 1 and the generator cabin.

12/16/09– Pat Rabideau from URS 518–688–0015 called to say that Balachandra is handle this spill for him. He will send the PID readings taken in the basement of building #1 and the generator.

Map Identification Number 11 **WRIGHT HOME** 68 EAST 56TH ST BROOKLYN, NY 11212 **Spill Number: 1000734** **Close Date:** TT-Id: 520A-0248-358

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2140 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name:
DEC Investigator: HRPATEL

Spiller: BRENDA WRIGHT - BRENDA WRIGHT
Notifier Name:
Caller Agency:
Contact for more spill info: BRENDA WRIGHT

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (347) 495-7476

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
04/18/2010		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	2000	GALLONS	0	GALLONS	SOIL INDOOR AIR GROUNDWATER

Caller Remarks:

possible broken oil line under basement floor

DEC Investigator Remarks:

4/19/10 - Raphael Ketani. A possible 200 gal. #2 fuel oil spill took place on 4/18/10 when the owner of the building (a private two family duplex home) noticed that the oil tank was empty after having received 220 gals. on 4/7/10.

I spoke to Frank Loutfi of Jag Heating (718) 858-7622 (444A Third Avenue, Brklyn, 11215)regarding the situation. He said that he visited the home yesterday because Brenda Wright, the home owner, said that she was out of oil and that she wanted to give him a check for a balance she owed. He came over to her home and checked out the boiler room and the tank room, but didn't see any signs of an oil leak. He then checked a closet between the two rooms because Ms. Wright said that the odors were strong in there. He said that he smelled strong oil odors and saw oil under the stairs on tiles in the closet. Mr. Loutfi said that she has been getting deliveries of between 180 gals. to 220 gals. from January 2010 to April 2010. The exact delivery dates were: 1/7/10; 1/26/10; 2/9; 2/19; 3/3; 3/15; 3/26; and 4/7.

Next, I spoke to Brenda Wright (347) 495-7476. She said that she had bought the house 5 years ago and the former owners had not done a thing for the place during the 30 years that they had owned it. She said that she has been having bad odor problems since December 2009. She said that the odors have been so bad in the recent past that they drove her tenants out. She said that she doesn't live there now. She said that even her neighbors have been complaining about oil odors. Right now, she said, she can finally close her bedroom windows because the odors aren't so bad. She said that she had another company come in and clean out her tank. She said that they used high pressure oil to remove the sludge and drove the sludge into the boiler, which then burst out the back. Ms. Wright said that she has been spending for oil every 10 days and it's getting expensive. I told her that she should contact her insurance company and see whether they will cover an environmental investigation and an investigation of her fuel system. She said that her insurance company is Otsego and she will give them a call. I set up an appointment with her for 10AM tomorrow.

Groundwater elevation is estimated to be about 7 feet above mean sea level. Topographic elevation of the site is estimated at 30 feet above mean sean level.

4/20/10 – Raphael Ketani. I visited the Wright home as scheduled. There was a slight oil odor in her living room. She showed me the basement. The odor was also slight here. Ms. Wright commented that the odors in the home today were very little when compared to the odors that she encountered not long ago. She said that the odors were so bad that her nose was bleeding and her eyes were tearing. She had a finished basement with the main area turned into a large bedroom. She showed me the closet where she said there were strong odors. The PID meter registered 11.5 ppm of total volatiles. I measured the air in the bedroom. The meter registered 1400 ppb of total volatiles. I saw the boiler room and there were slight oil odors. It looked like a little oil had and was cleaned up (see E-docs). I saw the fuel line. It looked alright where it daylighted in the boiler room (no signs of any leaks or staining). The line appeared to pass under the basement closet nearby. She took me to the tank room. I could see that she once had a slight leak from the top, but it appeared to have been cleaned up. There were no odors in the tank room and the tank looked as if it was in good condition.

We talked to her insurance agent, Kevin Cough (coo) (607) 965-8211, at Otsego Mutual Fire Insurance Co., P.O. Box 40, Burlington Flats, NY, 13315. He said that there was no environmental rider on Ms. Wright's policy. He said that her policy only covered the breaking up the concrete basement floor and replacing it. I tried to convince him to provide some coverage, but he said it wasn't possible. Next, I went upstairs to the main floor. The vapor reading was 4500 ppb. I told Ms. Wright that the vapor readings were elevated and that she shouldn't stay here. She didn't respond to my statement. She said that she had contacted the NYFD about the very bad odors a while ago. However, she said, they came and told her that they couldn't do anything about the odors or about any leaking fuel line. I told her that I would send her a list of environmental contractors who can help resolve and investigate the situation. After this, I left the site.

I spoke to Robert Iengo of ABC Tank (718) 272-2800. He said that his crew was at the Wright residence on about 12/16/09 to clean out her tank and change a leaking valve. He said that they didn't have anything to do with her fuel line. I commented that Ms. Wright had told me today that ABC used pressure to clean out the sludge from the tank and that may have damaged the fuel line. I added that ABC should have pressure tested the line before doing a pressurized clean out. Mr. Iengo said that they didn't put pressure on the line. He added that one of his employees was at the home today at about 1PM and didn't see anythng particular regarding an oil leak, except that she has a leaking fuel line below the slab.

I submitted a draft letter to Randall Austin, Chief of the Spills Unit, for his review. The letter was addressed solely to Ms. Wright and stated that she had to hire a company to provide ventilation to her home, test the fuel line, and if it fails, conduct an environmental investigation, dig out the contaminated soil and collect the contaminated groundwater.

The letter was approved by Mr. Austin and sent out today to Ms. Wright and Mr. Cough.

4/21/10 – Raphael Ketani. I spoke to Mr. Cough regarding Ms. Wright's home. He said that she filed a claim with Otsego. He said that an insurance adjuster will visit her today to look at the fuel system. I asked Mr. Cough whether a fuel line test can be ordered. He said that it would be up to the insurance adjuster to make the order. I told Mr. Cough that he will receive a letter from the DEC wherein we request that she hire a consultant to perform an environmental investigation and remediation. He said that he understood.

I attempted to visit Ms. Wright at her home. However, I discovered, when I arrived, that she wasn't in. I called her and she said that she had scheduled the insurance adjuster's visit for tomorrow, not today. I told her that I will need to make another site visit sometime next week to measure the vapor concentrations.

I sent Michael Hughes of the NYS DOH a copy of the spill report for his information.

4/22/10 – Raphael Ketani. I tried to contact Mr. Cough (coo) (607) 965–8211, but he wasn't in. I was transfered to Russell Dutcher in the Claims Department. I explained that the DEC had determined that the oil had reached the water table by using USGS groundwater and topographic maps. I mentioned that the distance between Ms. Wright's basement floor and the water table was only about 15 feet and that the spillage had been going on since December, according to Ms. Wright. I also stated that the soil is [redacted] in the area and that the oil wouldn't have any trouble traveling down. I told him that this constitutes third party damages [redacted] at the DEC would like the matter to be promptly investigated and remediated. Mr. Dutcher said that he is aware of the severity of the situation, but that Otsego doesn't cover third party damages. I told him that this was beyond an environmental rider on Ms. Wright's policy. He said that he understood what I was saying, but, he said, Ms. Wright is still not covered. I asked him to relay the information to the insurance adjuster when he comes back. He said that he will.

4/26/10 – Raphael Ketani. I spoke to the insurance adjuster, Al Piazza (732) 873–1280. He said that, as a result of his inspection of the incident, the insurance company is only responsible for opening up the floor, replacing the pipe, and closing the floor. I told him that there were third party damages as the groundwater is very likely affected. He said that she wasn't covered for third party damages.

Next, I spoke to Mr. Cough (607) 965–8211. I told him that, very likely, there were third party damages. I told him that the DEC is certain this is the case given the amount of oil that was lost, the sandy nature of the soil, the short distance between Ms. Wright's basement floor and the water table (about 15 feet), and the amount of time that has elapsed since the leak had started (about 4 to 5 months). Mr. Cough said that he understood what I was saying, but he stated that Ms. Wright's policy excluded first party and third party damages. I told him that her next door neighbor had been affected by the vapors and may still be affected. He said that she still wasn't covered. I told him that I understood what he was saying and I hung up the phone.

Later, I left a voice message requesting a copy of Ms. Wright's insurance policy.

5/13/10 – Raphael Ketani. I tried to contact Brenda Wright (347) 495–7476, but could only leave a message requesting information about her foreclosure hearings.

5/14/10 – Raphael Ketani. Today I received a copy of Ms. Wright's insurance property from Mr. Cough (see e–docs).

5/25/10 – Raphael Ketani. I tried to contact Brenda Wright (347) 495–7476, but could only leave a message requesting information about her foreclosure hearings.

Ms. Wright never returned my phone calls. So I drafted a letter for the review of Randall Austin, Chief of the Spills Unit. The letter was a Contaminated Soil Letter with 4 tasks: delineation of soil and groundwater contamination; implementation of interim measures and product recovery; vapor mitigation; and removal of contaminated soil and sealing of the basement floor. A report summarizing the findings of the investigation was required to be submitted by June 25, 2010.

The letter was approved by Mr. Austin.

5/26/10 – Raphael Ketani. The letter was approved for sending certified and was sent out today.

6/22/10 – Raphael Ketani. The certified letter came back unclaimed with no green return card.

As Ms. Wright has not responded to calls and a letter from DEC, and as the DEC has no information indicating that the spill is being investigated and remediated, a Case Initiation Package was submitted to Mr. Austin.

6/23/10 – Raphael Ketani. Mr. Austin signed the Case Initiation Package and it was forwarded to Lou Oliva, Regional Attorney.

7/[illegible]0 – Raphael Ketani. I finally reached Ms. Wright (347) 495–7476. We discussed the oil spill. She said that she was going to [illegible]t her home to gas. I told her that the company that will do the conversion will not investigate or clean up the oil under her home. I added that she needs to get ahold of an environmental company to install soil borings and groundwater monitoring wells. Ms. Wright said that she will contact ABC Tank and see what they can do. She said that she will get back to me today.

Ms. Wright called me back. We discussed again the need to have the contaminated soil dug out, soil borings installed, and groundwater montoring wells installed. She said that she knows this is expensive work and that she can't afford this. She added that she will try to get the bank to pay for the work. I asked her whether the old fuel line had been replaced. She said that the insurance company never called her back. I told her to call the insurance company and get them to replace the line and the floor. I told Ms. Wright that this would be a start to getting the whole matter resolved. I added that Mr. Cough had told me that the replacemenet of the line and the floor were covered under her insurance. She said that she will call Mr. Cough.

7/12/10 – Raphael Ketani. Rene Louis of Eastmond & Sons (718) 378–7000 called in order to find out the nature of the spill and what needs to be done in order to clean it up and monitor the groundwater. I told Mr. Louis that the contaminated soil will have to be dug out, soil borings performed in order to determine the extent of the contamination and groundwater wells installed in order to determine the extent of the plume.

9/20/10 – Raphael Ketani. Ms. Wright had called me on 9/13/10. However, I was out of town during this week. I called Ms. Wright (347) 495–7476 today and asked her how much progress she had made in addressing the oil spill. She said that she had been in court recently and she had told the judge that the DEC was going to pay for the cleanup. I told her that I had never said that the State was going to do the cleanup. She said that she thought I had said that the State does the cleanup when someone can't afford to do so. I told her that, in rare circumstances, the State has paid for doing the cleanup and then has put an environmental lean on the property in order to recover the money. Ms. Wright said that she was willing to do this. I told her that, due to the budget crisis, the State was no longer paying for such work. I told her that she had to hire someone, or to have the bank hire someone. I asked her why she hadn't hired Eastmond. I told her that Mr. Louis had spoken to me about the situation.

She had no comment. I asked her whether she can give me the name and phone number of the bank contact in order that I can talk to this person. I told her that I will explain that they have to get involved as there are most likely third party damages.

ACRIS shows that the current mortgage holder is Wells Fargo Bank, N.A., 1100 Corporate Center Drive, 3rd Floor, Building A, Raleigh, NC, 27607. There is a Wells Fargo Bank in Manhattan at (212) 315-7300. I tried calling them, but could only leave a message. I drafted a letter for the review of Mr. Austin that was addressed to Wells Fargo. The letter stated that there had been a spill at the site, that an estimated 2,000 gals. of oil had been lost, that the water table is within 15 feet of the basement floor, and that we believe the contamination has reached the water table. The letter also requested the bank's assistance in cleaning up the spill.

9/21/10 - Raphael Ketani. The letter to Wells Fargo was reviewed by John Urda of Legal and Randall Austin. It was approved and sent out today.

12/7/10 - Raphael Ketani. I spoke to Ms. Wright (347) 495-7476 today. I asked her how the investigation and cleanup was going. She said that she had been to court some months ago and the judge ordered the bank, Wells Fargo, to undertake the investigation and cleanup of the site. Ms. Wright said that she hasn't heard anything since, except she received more notices of court hearings that she has to attend regarding the foreclosure of her home. Ms. Wright added that she came back to New York from Jacksonville, Florida a week and a half ago as she had been released from a hopsital there. She said that she had drowned while on vacation in Jamaica, was in a coma for a while and had just recovered enough to be released. I listened to her talk and her breathing sounded [illegible]d and her voice was hoarse. Ms. Wright said that she still had pneumonia from the drowning. She said that I should talk to [illegible]nk's lawyer about the investigation and cleanup. She gave me her lawyer's name and number, Peter Belmont at (718) 596-2648.

I tried to contact Mr. Belmont. I reached an answering machine that didn't identify who it belonged to. I left a short message asking Mr. Belmont to contact me.

12/8/10 - Raphael Ketani. Mr. Belmont (pabelmontlaw@verizon.net) called me back. We spoke at length about the foreclosure and the spill. He said that he is her lawyer for the foreclosure. The case is in Kings Supreme Court, case #32910 of 2006. The lawyer for the mortgage holder, Wells Fargo, is Tamara Wells (585) 815-0288 (twells@rosicki.com) of Rosicki, Rosicki & Associates, P.C., 26 Harvester Avenue, Batavia, NY, 14020. Mr. Belmont said that Wells Fargo has been designated the trustee for the mortgage. They are aware of the oil spill.

12/14/10 - Raphael Ketani. I was told today by staff at the DEC that we can not hold Wells Fargo as the responsible party for the spill. This is due to specific laws in New York State that exempt banks from being held responsible for environmental contamination. However, I was instructed to send Wells Fargo a modified CSL with a return receipt card so that they know a spill has taken place at the site, and so that we know they are aware of the spill.

The modified CSL went out today.

12/17/10 - Raphael Ketani. I spoke to Mathew Edwards of Ocwen Loan Servicing (800) 390-4542. He said that he received the letter that I had sent to Ms. Wells. The letter was forwarded to the insurance department of Ocwen. Mr. Edwards went on to state that his company is required by law to service the mortgage loan for the pool of investors which is represented by Wells Fargo (the trustee). He said that Ocwen does not own the mortgage. Ocwen will try to work out an arrangement with Ms. Wright regarding payment of the mortgage. If an arrangement can't be reached, then Ocwen will take over the mortgage. At that point, Mr. Edwards said, Ocwen may be responsible for dealing with the spill. However, he will have to wait and see. I told him that Ms. Wright has

been going through foreclosure court proceedings for some time now. I asked him when this will all end and a resolution be found. He said that what will happen with Ms. Wright and her mortgage will be decided in one or two weeks.

12/23/10 – Raphael Ketani. Today, the green return card that I had sent to Tamara Wells came back signed.

1/24/11 – Raphael Ketani. Mr. Belmont (718) 596–2648 called again. He said that an attorney by the name of Elliot Martin (718) 855–0400 had not started a legal case yet against Ms. Wright. I told him that I didn't understand what this was all about and to talk to DEC's attorney, John Urda, about any legal matters. I gave Mr. Belmont Mr. Urda's phone number.

1/26/11 – Raphael Ketani. I spoke to Ms. Wright (347) 495–7476 today. She said that she is still very sick and hasn't been able to go back to work. Ms. Wright said that the doctors told her she still has pneumonia. I asked her whether there were any odors in the home. She said that there weren't. However, she said, she doesn't have any heat because the fuel line was never fixed. I asked her whether she had talked to Mr. Cough about this. She said "No." I told her that Mr. Cough had told me that the insurance would cover the cost of replacing the fuel. She said that she will call the insurance company.

A meeting took place with Mr. Austin and myself regarding the spill. Mr. Austin decided that the DEC should have its contractor conduct a preliminary investigation of the spill. This would involve testing the fuel line, and installing 4 borings around the home. Soil and groundwater samples will need to be taken. I sent an e–mail to David Lorthioir of EnviroTrac (631) 924–3001 requesting a detailed cost list for the investigation.

1 – Raphael Ketani. I spoke to Ms. Wright (347) 495–7476. I told her that the DEC would like to do another vapor survey in her home. I asked her whether wednesday, February 2, 2011, at 10AM would be alright. She said "Yes."

2/2/11 – Raphael Ketani. The site visit took place as planned. Ms. Wright said that she still isn't working and is trying to get on disability. She still had pneumonia. Ms. Wright was boiling a large pot of water on the stove, and using the gas oven and electric heaters to heat the main living area of her home. The temperature inside this area was somewhere in the sixties by my estimate. I asked her whether there were any oil odors in her home at this time. She said that she didn't sense anything. I could not sense anything, either. I started the PID meter. It detected 230 ppb to 250 ppb of total volatiles in the main living area (this is actually the second or top floor of the home). We went to the basement and the PID meter detected about 440 ppb to 450 ppb of total volatiles. The air was stagnant and slightly cool. I didn't sense any oil odors. Ms. Wright said that she had a guy come in to replace the fuel line. However, she had saved the old fuel line. She showed it to me. I could see the point where the line had leaked (see E–docs). However, it was slightly obscured by the stress break that was due to the bending of the pipe as it was being removed from under the wood floor. There was black staining in the break area. I asked her whether the guy who had replaced the line was a plumber. She said that he was just a guy who knew how to replace the line. She said that the guy told her there was a lot of oil under the floor from the odors he was sensing while he was replacing the pipe. She said that her neighbor to the north had remodeled her basement into a studio apartment. After this was done, a tenant moved in, but he complained to her neighbor about strong oil odors. Ms. Wright said that this was back in November 2010. She said that she hadn't heard anything from the neighbor since. I asked her why she was not using the furnace to heat her home if the line was repaired? She said that the boiler isn't working right. She added that she will contact HEAP (a social service program that helps low income people get furnaces and boilers repaired) and get them to fix the problem. She said that she had reached a settlement with the bank for a payment plan of $1,450 per month. However, she had to have the water heater chimney fixed because carbon dioxide was backing up into the home. I asked her whether the chimney repair had solved the problem. She said that it had, but she could not make the first agreed upon payment to the bank because she didn't have enough money. I asked Ms. Wright whether I could get into the neighbor's home to see what the vapor concentrations are. However, Ms. Wright said that the owner works nights and her mother is

usually gone during the day.

Then, I explained to her that the DEC would like to do a small investigation of her property by doing four soil borings around the outside of the home. I told her that if oil is found in the ground, then the DEC would start a larger investigation and install more borings and some groundwater wells to see whether oil is below her house. She said that she understood. I then told her that the contractors would have to look under the wooden basement floor to see whether pools of oil are there. I added that the next step would be to do borings through the concrete floor to see whether the oil had soaked into the ground below. If the oil is in the ground, then, I told her, the floor would have to be opened up and the soil would have to be dug out. I stated that ventilation would be provided so the that the oil odors would not stay in the home and build up. Ms. Wright said that she understood what I was saying. I finished our conversation by saying that all of this work would not be done for free. I added that the State would want its money back and would put an environmental lien on the home. This meant that at the time of the sale of her home, some of the money would go to pay the State's expenses. She said that she didn't care because she just wanted the problem resolved. After this, I left.

2/11/11 – Raphael Ketani. I had a conversation today with Dave Lorthioir of EnviroTrac (631) 924–3001 (state environmental contractor). He said that he needed to look under the tiles that cover Ms. Wright's basement floor to see how the floor was constructed and to see whether there are pools of oil there. I called up Ms. Wright and told her that someone from EnviroTrac would like to take up some tiles that cover the basement floor. She asked why. I told her that this person is a state contractor and he wants to see whether there are pools of oil under the tiles and how the floor is constructed. She said that would be [illegible] and to have him come either teusday, wednesday or thursday of next week. She added that he should call first. I told Ms. [illegible] I will tell him.

2/16/11 – Raphael Ketani. Mr. Lorthioir made his inspection of the Wright home basement as scheduled.

2/17/11 – Raphael Ketani. The Standby Contractor Authorization Form was written for EnviroTrac and signed by Randall Austin, Chief of the Spills Unit.

2/18/11 – Raphael Ketani. I contacted Mr. Belmont (718) 596–2648 and told him that EnviroTrac will be doing soil borings and well installations outside of Ms. Wright's home. I added that the work will take place either the latter part of February or early March. He said that he will tell Ms. Wright.

2/23/11 – Raphael Ketani. Mr. Lorthioir (631) 924–3001 called to say that he will definitely be drilling on March 3 and 4. I called Mr. Belmont to let him know that the work will soon commence.

3/4/11 – Raphael Ketani. Mr. Lorthoir called me regarding the boring and sampling work that had taken place. He said that the work took place today and yesterday. One boring was performed outside the kitchen. Another was done at the southeast corner. The other two were drilled upgradient and sidegradient. The locations of the borings were subject to the suspected locations of sewer and water main utilities. Since the borings were not done in the public sidewalks, markouts were not performed. So they really had to guess where the utilities were and not hit them. The boring locations were hand cleared to 5 feet below grade, but Mr. Lorthioir said that his experienced has shown him that the utilities could be as deep as 6 or 7 feet. So they were cautious.

No product was found. However, the boring next to the kitchen had water which had a moderate odor of #2 oil. The groundwater was found at 30 feet below grade. Two soil samples were taken from the boring outside the kitchen. One soil sample was taken from each of the other borings. A groundwater sample was taken from each boring. Mr. Lorthioir commented that the next step should be

to install permanent wells along the south side of the house. He believed that they had not hit the plume, but that putting the wells a little more east of the kitchen boring would accomplish this. He also recommended having a private surveyor come out and find the sewer and water mains so that they can be sure of their locations on Ms. Wright's property. Mr. Lorthioir will send the analytical results as soon as he gets them.

3/17/11 – Raphael Ketani. Mr. Lorthioir (631) 924–3001 left a message. He said that EnviroTrac still hasn't received the soil analytical results.

Today, I received the 3/17/11 soil and groundwater analytical report from Test America. I reviewed the report. SB–1, SB–3 and SB–4 were virtually non–detect for soil VOCs and SVOCs. The groundwater analyticals were either non–detect or very low hits at or below CP–51 limits for all four samples. The soil sample from SB–2 had high exceedences for total xylenes, 1,2,4–trimethylbenzene, 1,3,5–trimethylbenzene, and naphthalene. There were hits for the other VOCs, but they didn't exceed the limits. There were several SVOC hits for the soil sample from SB–2, but they were low. I forwarded the report to Mr. Lorthioir.

4/5/11 – Raphael Ketani. I received the Contractor's Application for Payment CAP 20 for work performed by EnviroTrac Ltd. The work period is from 2/1/11 to 2/27/11. The invoice number was DC2041.00–1. The invoice date is 3/14/11. The work consisted of permit procurement, correpsondence with staff at the DEC, project management, prepare work plan, submit boring map to DEC and e–mails to the DEC regarding obtaining sidewalk permits. The pay package was found to be acceptable and an e–mail was sent to Steve Karwiel of the Contracts and Payments Section approving the work.

4/[illegible]1 – Raphael Ketani. I received the Contractor's Application for Payment CAP 35 for work performed by TestAmerica. The work period is from 2/1/11 to 2/27/11. The invoice number was 22036584. The invoice date is 3/28/11. The work consisted of processing 5 soil samples and 4 groundwater samples for VOCs and SVOCs. The pay package was found to be acceptable and an e–mail was sent to Andrea Indelicato of the Contracts and Payments Section approving the work.

I reviewed the soil and groundwater analytical results. Only the soil samples from SB–2 (20–25 feet and 25–30 feet) had a significant number of hits. There were 2 exceedences in the 20–25 foot sample and 3 exceedences in the 25–30 foot sample. The exceedences in common were total xylenes (12 ppm) and 1,2,4–trimethylbenzene (22 ppm). The groundwater results were either non–detects or estimated very low hits just above non–detect.

4/26/11 – Raphael Ketani. I received the Contractor's Application for Payment CAP 23 for work performed by EnviroTrac Ltd. The work period is from 2/28/11 to 3/31/11. The invoice number was DC2041.00–2. The invoice date is 4/14/11. The work consisted of project management, project coordination with field staff for drilling, travel to and from site, determine boring locations, meet with Ms. Wright and neighbor, call with DEC, preparation for boring installation, install four borings and take soil and groundwater samples, review lab data, calls to DEC, use of low value equipment, use of light duty and heavy duty vehicles, purchase supplies. The pay package was found to be acceptable and an e–mail was sent to Steve Karwiel of the Contracts and Payments Section approving the work.

5/3/11 – Raphael Ketani. Mr. Belmont (718) 596–2648 called yesterday. I returned his call and explained that EnviroTrac didn't find much in the way of soil or groundwater contamination. I added that the oil is probably sitting in the soil within the footprint of the house and that the next step would be to take away the basement floor and to dig out the contaminated soil. I told Mr. Belmont that this would be a very expensive operation. I also stated that the DEC was waiting for a cost estimate from EnviroTrac for doing the work. Mr. Belmont said that he understood what the situation was and commented that he didn't know how this would affect the bank's decision to take over the property.

I called up Mr. Lorthioir (631) 924-3001 and asked him for the proposal and cost estimate for doing the floor removal and dig out. He said that he thought he had sent it to DEC. I checked our records and didn't find. Mr. Lorthioir said that he will send it to the DEC.

5/10/11 - Raphael Ketani. I called up Mr. Lorthioir (631) 924-3001 in response to his phone message. We discussed how to conduct the contaminated soil excavation in the area where the leak had taken place. We settled on:

1) removing the entire floor in the bedroom
2) digging out the dirt to about 5 or 6 feet below the basement floor, and at a 45 degree angle from the walls
3) backfilling with sandy soil to a point where the vapor management system would be installed
4) laying down gravel and rows of perforated pipes on top for the vapors with a riser pipe that would daylight outside the home
5) covering the pipes with more gravel and then a plastic vapor barrier
6) and finally covering the vapor barrier with a cement floor that is flush with the rest of the basement floor - this would include a cement floor for the tank room

Mr. Lorthioir said that he will submit a cost estimate for performing this work.

5/24/11 - Raphael Ketani. Mr. Lorthioir sent me the 5/24/11 cost estimate for performing the above listed work and other work [illegible]ould be needed to remediate and backfill the site, and for bringing conditions back to a pre-excavation state over the [illegible] of 9 days. The only items that would not be included are laboratory sample processing fees for end point samples and the cost of possibly providing alternate housing for Ms. Wright and her neighbor due to the generation of high levels of vapors while the work is conducted.

I wrote back to Mr. Lorthioir that the DEC would ask that Ms. Wright and her neighbor stay with friends or family if the vapors are high. However, I added that EnviroTrac should maintain appropriate ventilation whereby the vapors are not a problem during the excavation work. Otherwise, the estimate seemed to cover everything that would be needed to be done and the manpower needed.

6/22/11 - Raphael Ketani. I received the Contractor's Application for Payment CAP 25 for work performed by EnviroTrac Ltd. The work period is from 5/2/11 to 5/29/11. The invoice number was DC2041.00-3. The invoice date is 6/13/11. The work consisted of project management, work plan for soil removal and vapor mitigation, work on plan and cost estimate, work on scope of work and send to DEC. The pay package was found to be acceptable and an e-mail was sent to Steve Karwiel of the Contracts and Payments Section approving the work.

10/27/11 - Raphael Ketani. As part of the caseload realignment order by Randall Austin, Chief of the Spills Unit, I am transfering this case to Jeffrey Vought in the Spills Unit. The synopsis of the case is as follows:

The spill case was received on 4/19/10 as a possible 200 gal. #2 fuel oil release below the basement of this private duplex home which is owned by Brenda Wright (347) 495-7476. I spoke to Ms. Wright and she said that she had bad oil odor problems during December 2009. The odors were so bad that the tenant in the next door neighbor's basement had to move out. Following this, Ms. Wright had very frequent fuel deliveries of about 200 gals. from January to April of 2010. I estimated that she had possibly lost as much as 2,000 gals. of #2 oil. A person Ms. Wright hired removed the old fuel line below the basement floor and replaced it with a new one. I examined the old line (which Ms. Wright had kept) on 4/20/10 and saw a hole in it. The oil odors were light in the basement. The PID meter registered 1400 ppb of vapors in a closet next to the furnace. Otherwise, there were no signs of a

spill. Ms. Wright's home was in foreclosure and her insurance didn't cover third party damages. So a PIN case was started (#05398). EnviroTrac did several soil borings next to the home during early March 2011. Soil and groundwater samples were taken. Only the groundwater sample taken from a location next to the kitchen had oil odors. Groundwater is at 30 feet below grade. Ms. Wright's basement floor is about 8 feet below grade. No product was found during the investigation. Only the soil sample from SB-2 had significant hits. There were high concentrations only for the VOCs. The groundwater samples were either unaffected or very slightly affected by the spill and were of no consequence. According to EnviroTrac, the oil is probably contained under the basement floor. Remediation of this spill will require removing the basement wood floor, digging out the soil down to 4 or 5 feet below the basement floor, backfilling and rebuilding the wood floor in kind. The total costs for returning the basement floor to pre-spill condition were estimated by EnviroTrac to be about $200,000 to $250,000.

2/13/12-Vought-Meeting on 2/10 with EnviroTrac (Lorthior), DEC Ketani and Vought and RSE. Petroleum vapors may still be present in home and as such site visit must be performed. Vought called homeowner Brenda Wright (Ph:(347) 495-7476) and left message with cell phone and number and request to return call so that site visit may be scheduled.

02/15/12-Hiralkumar Patel. went to site for possible inspection, but nobody at home. left Jeff's business card. found Jag Heating & Transport Inc. (718-667-5393, 718-858-7622) sticker on fill port.

4/5/12-Vought-Contract Payment Package (EnviroTrac)- Documentation of DEC meeting, work on project status, review of old records and email to DEC (2/1/12-2/26/12).

-Vought-Contract Payment Package (EnviroTrac)- Records review and project coordination (2/14/12 thru 4/1/12).

DEC possibly requires:
1)restoration of basement floor
2)NYCDOH and NYSDOH notification
3)submission and/or review of soil and groundwater analyticals.

04/22/13-Hiralkumar Patel. after discussing with DEC Austin and DEC Vought, case transferred from Vought to Patel.

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
1202026	OIL SPILL IN BASEMENT IN VACANT HOUSE	269 EAST 48TH STREET	BROOKLYN
1304655	LINE TEST FAILURE	756 UTICA AVE	BROOKLYN
1209780	MULTIPLE FAMILY DWELLING	832 LINDEN BLVD	BROOKYLN
9900272	229 EAST 94TH ST	229 EAST 94TH STREET	BROOKLYN



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 12 **KINGSBORO PSYCH CENTER**
681 CLARKSON AVE
BROOKLYN, NY

Spill Number: 9815152 **Close Date: 09/20/1999**
TT-Id: 520A-0048-892

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING – LARGE SITE
Approximate distance from property: 593 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 681 CLARKSON AV
Revised zip code: 11203

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

Spiller: KINGSBORO PSYCH CENTER
Notifier Name: LAB ANALYST
Caller Agency: TYREE ENVIRONMENTAL
Contact for more spill info: JUAN ALVARENGA

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	Meets Cleanup Standards	Penalty Recommended
03/19/1999		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:

underground storage tank is probable cause – received info from lab results – also at site was a diesel tank that exceeded dec levels – 1 1500 gal fuel oil & 1 1500 gal diesel – they have active consultant on site who will put together clean up directives

DEC Investigator Remarks:

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

5/21/99 CONSULTANT "JENNIFER" 518-783-1996 CALLED REQUESTING A COPY OF THE PBS DATA FORM. SHE IS PUTTING A REPORT TOGETHER TO RESPOND TO THE SPILL AND WANTED TO NUMBER THE TANKS THE SAME AS THE PBS RECORDS.

SPILL IS DIVIDED BETWEEN 2 TANK AREAS:

1) AREA AROUND FORMER 550 GALLON DIESEL UNDERGROUND STORAGE TANK

7/19/99 REPORT SHOWS END POINT SAMPLES BELOW STARS LIMITS FOR

EAST AND SOUTH WALLS.SLIGHTLY ELEVEATED FOR BENZO(A)ANTHRACENE

(58.5UG/KG)AND BENZO(B)FLUORANTHESE (77.8 UG/KG)

*****BASICALLY CLEAN AND COULD BE CLOSED OUT******

2) AREA AROUND 1,500 GAL. DIESEL UST AND TWO 3,000 GAL GASOLINE

USTS. ON EXCAVATION, NO CONTAMINATION FOUND. ENDPOINT SAMPLES

'EN AND TESTED POSITIVE FOR CONTAMINATION. JENNIFER RYAN AT

IT CORPPORATION"(315-773-4868) PRESENTED A PLAN TO DO FURTHER

WORK TO DEFINE THE PROBLEM. 7/26/99 SANGESLAND WROTE A LETTER

GIVING "IT CORP" PERMISSION TO GO AHEAD WITH THE REQUESTED

GEOPROBE INVESTIGATION OF THE SITE, INCLUDING 4 SOIL BORINGS

AROUND FORMER 1,500 GAL DIESEL TANK, 4 SOIL BORINGS AROUND

FORMER 3,000 GAL GASOLINE UST. COLLECTION OF SOIL AND

GROUNDWATER SAMPLES.

9/20/99 IT Corp. sent in a report showing geoprobe samples from around the 1,500 gal UST and the area around the former 3,000 gal UST site. Soil tested to 8270 B/N and 8021 plus MTBE. Groundwater tested to 8270 B/N and 8021 plus MTBE.

Test results show all non detect for MTBE

Results show only xylenes (up to 12.0 ug/L) and naphthalene up to (22.0 ug/L) were found in 1 sample. All other VOC's were below STARS limits.

Semivolatile organic compounds were not detected in any sample

Spill Closed 9/20/99

Map Identification Number 13 **681 CLARKSON AVE** **Spill Number: 9104301** **Close Date: 02/05/1998**
681 CLARKSON AVE BROOKLYN, NY TT-Id: 520A-0048-891

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 593 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11203

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	KINGSBORO PC	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:	KEITH HORDATT	Caller Agency:	OGS NYC	Caller Phone:	(718) 778-2128
DEC Investigator:	KSTANG	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.
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
07/22/1991		TANK FAILURE	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:

LEAKING VALVE NEAR THE BOTTOM OF THE TANK. TYREE TO CLEAN UP.

DEC Investigator Remarks:

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

Map Identification Number 14 **SPILL NUMBER 0109302** **Spill Number: 0109302** **Close Date: 11/18/2003**
92 E 53TH ST BROOKLYN, NY TT-Id: 520A-0043-293

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1017 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: 92 E 53RD ST
Revised zip code: 11203

Source of Spill:	PRIVATE DWELLING	Spiller:	MRS RICHARDS	Spiller Phone:	(718) 604-0409
Notifier Type:	Other	Notifier Name:	MRS RICHARDS	Notifier Phone:	(718) 604-0409
Caller Name:	WILLIAM CROCKER	Caller Agency:	BORO FUELS	Caller Phone:	(718) 845-7500
DEC Investigator:	JBVOUGHT	Contact for more spill info:	MRS RICHARDS	Contact Person Phone:	(718) 604-0409

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
12/20/2001		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:

patch let go on tank

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
11/17/2003-Vought-File review by Vought:

12/21/01-Site visit by Vought. Spill caused by overfill resulting in spillage out of vent and rupture of patch on AST. Approximately 10 gallons came out of vent and 50 gallons released into basement (onto concrete). No sewers or drains affected. Response by Tri State Environmental (Lisa Hauer 914-592-3385). Tri state applied additional adsorbent and pumped heating oil tank clean and sheeting applied over affected soil until 12/21 excavation. Tri state returned to excavate vent area on 12/21 and collected one endpoint sample and excavation was backfilled. Petroleum impacted wood was also removed from the basement. 2)soil endpoint samples from excavation under vent 3)cleaning, washing of fuel oil AST and secondary containment walls (Secondary containment did not hold during spill and resulted in seepage of oil into adjacent basement).

1/1/02-Vought-Spoke with Hauer and floor washed using biosolve and analyticals will be sent to DEC by 1/7/01.

1/17/02-Vought-Spoke with Ms Richards (wife of owner) and tank was repaired by Eastmond and Sons.

1/18/02-Vought-received spill closure report from Tri State. Disposal manifests included for petroleum contaminated water and oil soaked debris. Soil analytical show no TAGM 4046 Required Soil Cleanup Objective exceedances.

1/22/02-Vought-Received fax from Eastmond & Sons (Joseph Ostrowski 718-378-7000) "On 1-7-02 we cleaned, gas freed and welded patch on 4000-gallon oil tank. We also installed a new tank assembly for gauge, and a new drop leg".

11/18/03-Vought-Spill closed by Vought after file review.

Map Identification Number 15 **PRIMARY SCHOOL 221** **Spill Number: 0101807** **Close Date: 01/04/2006**
791 EMPIRE BOULEVARD BROOKLYN, NY TT-Id: 520A-0040-022

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1453 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

e of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	BOB CANAPARTHI - BOARD OF ED	Spiller Phone:	(718) 472-8620
r Type:	Other	Notifier Name:	ROBERT APPLEBAUM	Notifier Phone:	(212) 353-8280
Caller Name:	JANE WEBER	Caller Agency:	ATC ASSOCIATES	Caller Phone:	(212) 353-8280
DEC Investigator:	AJWHITE	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	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
03/03/2001		TANK FAILURE	2-355992	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:

SOIL SAMPLES WERE TAKEN ON THE DATE LISTED. REPORT WAS RECEIVED ON 3/27/01. SPILLER WAS NOTIFIED OF RESULTS. SPILLED DID NOT REPORT THE SPILL TO DEC. SOIL CONTAMINATION WAS FOUND IN THE AREA OF ONE OF TWO 5000 GALLON UNDERGROUND STORAGE TANKS. THE OTHER TANK APPEARS TO BE OK. TANK IS GOING TO BE REPLACED AT SOME POINT, AND SOIL WILL BE REMOVED AS NECESSARY.

DEC Investigator Remarks:

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

11/15/2005: Joe White has the lead for this site as part of the Spill initiative

12/8/2005: James Merlo, the coordinator for NYC Schools contacted Joe White with information. Mr. Merlo is trying to located the closure report for this site. If he is unable to locate the report he may send in a certification that the work has been completed to close out the spill.

12/16/2005: PBS database indicates that both 5000 gal tanks were closed and removed as of 12/01/2001 we need to obtain the report for the removal.

01/04/2006: The PBS database number associated with this spill is PBS# 2-355992. It documents the closure of the two underground tanks and the remaining tanks are above ground. Given the closure of the tanks and the reported 0 gal spill. That information is sufficient to close this spill.

01/10/2006: A copy of the closeout letter from Region 2 on 7/3/2002 was received and a copy placed in the eDocs system.

Identification Number 16 **WILLIAMS HOME** 719 EAST NY AVE BROOKLYN, NY **Spill Number: 0611627** **Close Date: 03/21/2007** TT-Id: 520A-0048-072

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1514 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 719 E NEW YORK AVE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	MR WILLIAMS - WILLIAMS HOME	Spiller Phone:	(718) 756-4521
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	SFRAHMAN	Contact for more spill info:	MR WILLIAMS	Contact Person Phone:	(718) 756-4521

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
01/18/2007		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:

TANK WAS PUMPED OUT AND WILL BE REPAIRED AND REPLACED

DEC Investigator Remarks:

Homeowner (Mr. Williams) says he has 2- 275 gal tanks in his basement tied together. One of these tanks started to leak. The tank was isolated and pumped out. Floor of basement was cleaned up.
Owner says a tank company will come in to try to repair the old tank on Monday Jan22. If they can not repair it, the owner will use only 1 tank on the site.
03/21/07 Rahman-I spoke with Mr. Williams today, he told me that the tank was fixed and the small amount of spill on the floor was cleaned up properly.NFA required.

Map Identification Number 17 **GURRIER RESIDENCE**
576 LENOX RD
BROOKLYN, NY

Spill Number: 0208758 **Close Date: 12/02/2002**
TT-Id: 520A-0048-894

LOCATION INFORMATION
cation mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1868 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Citizen
Caller Name: YOLANDE GUERRIER
DEC Investigator: JMKRIMGO

Spiller: SAME - GURRIER RESIDENCE
Notifier Name: YOLANDE GUERRIER
Caller Agency: HOMEOWNER
Contact for more spill info: SAME

Spiller Phone:
Notifier Phone: (718) 771-7554
Caller Phone: (718) 771-7554
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
10/01/2002		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller reporting odor of oil in her house - believed coming from tank

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
11/25/02. J.Krimgold spoke to Ms. Yolande Guerrier, the homeowner. She stated that Petro Oil (718-354-3800) checked her tank, have found a leak and will replace the tank. She suggested to talk to her daughter at 718-493-1520 after 7 pm. for more information.

11/25/02. J.Krimgold called Petro Oil and left message.

12/2/02. J. Krimgold spoke to Ms. Pero (Pitro). Spill was cleanedup and tank repaired.

Map Identification Number 18 **JOHNSON RESIDENCE**
18 EAST 95TH STREET
BROOKLYN, NY
Spill Number: 0407245 **Close Date: 03/31/2006**
TT-Id: 520A-0040-572

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2059 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

[illegible] of Spill:	PRIVATE DWELLING	Spiller:	MR. JOHNSON - JOHNSON RESIDENCE	Spiller Phone:	(718) 771-9553
Notifier Type:	Other	Notifier Name:	GEORGE HAMILTON	Notifier Phone:	(718) 353-7000
Caller Name:	GEORGE HAMILTON	Caller Agency:	SKAGGS WALTH	Caller Phone:	(718) 353-7000
DEC Investigator:	rmpiper	Contact for more spill info:	MR. JOHNSON	Contact Person Phone:	(718) 771-9553

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
09/30/2004		TANK FAILURE	YES	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:

TANK HAS HOLE IN IT, AND IS BASEMENT: HOMEOWNER WOULD NOT LET CO. PUMP TANK, HE WAS AGAINST IT : SO COMPANY DID NOT RECTIFY PROBLEM:

DEC Investigator Remarks:

10/1/2004 Sangesland spoke to George Hamilton at Skaggs Walsh. He said the customer's tank was slowly leaking. Customer would NOT allow tank to be pumped out.
Sangesland left a telephone message on homeowner's machine requesting a call back on Monday Oct 4th to discuss the repair or replacement of the existing leaking tank.
12-5-05- DEC Piper left message on homeowner's machine requesting a call back. Spoke w/ SW, they are no longer a customer Visit Warranted.
3/24/6- DEC Piper visited site. No one home. Left business card requesting call. Piper sent CSL letter to owner.
3/28/06- DEC Piper recieved call from Fitzroy Johnson. We will meet on thurs 3/30 at 5pm to inspect basement.
3/31/06- DEC Piper performed visit to site. AS per owner , Scaggs walsh made misdelivery to the Johnson address. Mr. Johnson refused to pay since he was changing to gas and did not order oil. Oil is in tank. SW wanted to charge Mr. Johnson to remove oil. He said no way I am not paying you to remove oil that I did not order. Mr. Johnson burned the oil over the next two weeks untill the boiler shut off. At that time, he converted to gas. Inspection of room where 275 was revealed no oil. some staining though not excessive.

Map Identification Number 19 **1070 EAST NEW YORK AVE**
1070 EAST NEW YORK AVE
BROOKLYN, NY
Spill Number: 9803011 **Close Date: 03/03/2003**
TT-Id: 520A-0043-516

LOCATION INFORMATION
Location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2240 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: DOROTHY FENYO
DEC Investigator: TOMASELLO
Spiller: ANDY ANDERSON - GLOBAL MANAGEMENT
Notifier Name:
Caller Agency: PROTEST TANK
Contact for more spill info: JOHN LEDDY
Spiller Phone: (718) 768-5700
Notifier Phone:
Caller Phone: (516) 321-4670
Contact Person Phone: (516) 321-4670

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
06/01/1998		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

tank failure

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

Map Identification Number 20 **134 EAST 42ND STREET**
134 EAST 42ND STREET
BROOKLYN, NY
Spill Number: 9414585 **Close Date: 02/05/1995**
TT-Id: 520A-0041-554

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2377 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name: PETE BULLA
DEC Investigator: O'DOWD
Spiller:
Notifier Name:
Caller Agency: PETROLEUM HEAT
Contact for more spill info:
Spiller Phone: (718) 856-7730
Notifier Phone:
Caller Phone: (718) 545-4500
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

ate	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/05/1995	02/05/1995	TANK FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	1.00	GALLONS	1.00	GALLONS	SOIL

Caller Remarks:

OIL SWEATION THROUGH BOTTOM OF TANK.

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

Map Identification Number 21 **RESIDENCE**
100 EAST 96TH ST
BROOKLYN, NY
Spill Number: 0412336 **Close Date: 06/06/2005**
TT-Id: 520A-0040-644

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2422 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Citizen
Caller Name: TAHAL, NADINE
DEC Investigator: SFRAHMAN

Spiller: CECIL BENETTE - RESIDENCE
Notifier Name: TAHAL, NADINE
Caller Agency: CITIZEN
Contact for more spill info: CECIL BENETTE

Spiller Phone: (718) 756-3242
Notifier Phone: ( ) -
Caller Phone:
Contact Person Phone: (718) 756-3242

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
02/18/2005		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	SOIL

Remarks:

The tank underground is leaking and has not been cleaned up. There is ahole in the oil line. Thye line is being repaired.

DEC Investigator Remarks:

send a contaminated soil letter

4/5/05 mt updating///275 AST in basement//leak is in line near the boiler//Boiler was 2 months old at the time of the spill,
Petro installed a new line on 2/21.
04/22/05-SR// Spoke with Mr. Benette regarding the documents of work performed. Sent a letter also.
06/06/05- SR// Received work invoice from Petro Commercial Division.

Map Identification Number 22 **374 E52ND ST**
374 E 52ND ST
BROOKLYN, NY

Spill Number: 9907027 **Close Date: 07/09/2007**
TT-Id: 520A-0043-555

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2598 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	EVELYN COY – 374 E52ND ST	Spiller Phone:	(718) 342–0735
Notifier Type:	Other	Notifier Name:	EMPIRE STATE FUEL	Notifier Phone:	
Caller Name:	JOE OSTROWSKI	Caller Agency:	A.L. EASTMAN & SONS, INC	Caller Phone:	(718) 378–3000
DEC Investigator:	HRPATEL	Contact for more spill info:	DAVE – EMPIRE STATE	Contact Person Phone:	(718) 627–5100

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
09/13/1999		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

Remarks:

1080 GALLON TANK, OIL STARTING TO LEAK THROUGH A WEEP HOLE, POSS TANK RUPTURE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "M TIBBE"
Encased in concrete. Oil from weep holes. Tank cleaned. Bottom pourous.

6/20/05– Transfered Central Office – Dudek

7/20/05 – Talked to Issac at AL Eastman. Looking for paperwork of spill.

1/24/06 – Can not find anything other than a log book that says addressed. Can not reach actual owner of property.

Albany review – hmdudek

1/29/07 – Austin – Transferred from Albany assignment to Patel in R–2 office for further work – end

06/29/07–Hiralkumar Patel. spoke with Dave at Empire. spill happened at their customer's house and home owner is:

Avelyn Coy
Ph. (718) 342–0735

left message for Ms. Coy.

07/02/07–Hiralkumar Patel. received message from Ms. Coy. left message for Ms. Coy to submit any documents available for oil spill cleanup.

07/09/07–Hiralkumar Patel. visited site on 07/06/07. met Mr. Coy. she mentioned that old 1080 gal tank was enclosed in concrete vault and one day she observed oil stain on concrete wall and informed her oil company. they hired Eastmond and removed old tank which was rusted. as per Ms. Coy, they never opened basement floor, but only removed concrete vault and old tank. currently site has two 275 gal ASTs. no signs of oil on floor or wall adjacent to tank location.

based on site observations, case closed.

07/23/07–Hiralkumar Patel. received message from Ms. Coy requesting case closure letter. sent NFA to Ms. Coy.

Map Identification Number 23 **324 EAST 53RD ST/BKLYN**
324 EAST 53RD STREET
NEW YORK CITY, NY

Spill Number: 9002033 **Close Date: 02/04/1998**
TT-Id: 520A-0040-991

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2599 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Fire Department
Caller Name: F O MARTIN
DEC Investigator: KSTANG
Spiller: UNKNOWN
Notifier Name:
Caller Agency: NYCFD HAZ MAT
Contact for more spill info:
Spiller Phone: (718) 498-6501
Notifier Phone:
Caller Phone: (212) 847-0588
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
05/22/1990		TANK FAILURE	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:

TANK BOTTOM LEAKS, HOLE HAS BEEN PATCHED, SCO FUEL CO WAS AT SCENE, THEY WILL CLEAN UP SPILL, SPILL CONTAINED IN BASEMENT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
SPILLED CLEANED UP.

Map Identification Number 24 **KINGS COUNTY HOSPITAL**
451 CLARKSON AVENUE
BROOKLYN, NY

Spill Number: 9914102 **Close Date: 08/11/2005**
TT-Id: 520A-0052-131

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 2621 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11203

Source of Spill: NON-MAJOR FACILITY (>1100 GAL)
Notifier Type: Responsible Party
Caller Name: DEAN CRUCIANI
DEC Investigator: kamalone

Spiller: CHARLES ABRUZZO - HEALTH & HOSPITALS CORP
Notifier Name: DEAN CRUCIANI
Caller Agency: PENN, TECHTONICS
Contact for more spill info: DEAN CRUCIANI

Spiller Phone: (718) 245-2953
Notifier Phone: (570) 487-1959
Caller Phone: (570) 487-1959
Contact Person Phone: (570) 487-1959

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.
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
03/14/2000		TANK FAILURE	2-601504	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

During tank removal contaminated soil found - soil has been stockpiled

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
7/26/2004 Krimgold spoke with rep from Langan Engineering. In 1999(?) the hospital pulled a bad tank and replaced it without pulling out the bad soil. In 2004 the hospital has pulled out this replacement tank and replanted it in another location. Now that the hole is open Langan will be pulling out additional soil to clean up the hole.

Contact Langan Engineering to followup this site 212-479-5400

8/05 - Langan Engineering submitted a Petroleum Spill Closure report. -Maloney

8/05 – Site closed.

Map Identification Number 25 **KINGS COUNTY HOSPITAL** **Spill Number: 8907015** **Close Date: 02/09/1998**
451 CLARKSON AVENUE BROOKLYN, NY TT-Id: 520A-0048-190

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING – LARGE SITE
Approximate distance from property: 2621 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11203

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	CHARLES AMBUZZO – HEALTH & HOSPITALS INC	Spiller Phone: (718) 245-2953
Notifier Type:	Local Agency	Notifier Name:		Notifier Phone:
Caller Name:	ANTHONY SIGONA	Caller Agency:	NYSDEC	Caller Phone: (718) 482-4933
DEC Investigator:	SIGONA	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

ate	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/16/1989		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	GROUNDWATER

Caller Remarks:

(8) 50,000 GAL TANK SYSTEM SUSPECTED OF LEAKING, REPAIRS & MODIFICATIONS MADE IN 1988.

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:

11/15/94: REMEDIAL INVESTIGATION/TANK REPLACEMENT WORK PERFORMED UNDER CONSENT ORDER. FOLLOW-UP INVESTIGATION AND GROUNDWATER MONITORING HAS NOT DETERMINED ANY SIGNIFICANT IMPACTS TO GROUNDWATER.

Map Identification Number 26 **KINGS COUNTY HOSPITAL** **Spill Number: 0002277** **Close Date: 08/11/2005**
451 CLARKSON AVENUE BROOKLYN, NY TT-Id: 520A-0052-135

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 2621 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11203

Source of Spill: NON-MAJOR FACILITY (>1100 GAL)
Notifier Type: Responsible Party
Caller Name: DEAN CRUCIANI
DEC Investigator: kamalone

Spiller: CHARLES ABRUZZO - HEALTH & HOSPITALS COPR
Notifier Name: SAME
Caller Agency: PENN, TECHTONICS
Contact for more spill info: DEAN CRUCIANI

Spiller Phone: (718) 245-2953
Notifier Phone:
Caller Phone: (570) 487-1959
Contact Person Phone: (570) 487-1959

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
05/23/2000		TANK FAILURE	2-601504	NO	NO

Material	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

THEY REMOVED A 3,000 GALLON OIL TANK FROM THE GROUND.THEY FOUND CONTAMINATED SOIL AND THEY RECEIVED THE RESULTS BACK TODAY AND TESTED POSITIVE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND "6/2001 Switched from Saccaio to Sangesland
Original Spill Report was due to bad soil found during removal of a 3,000 gal UST in June 2000.

6/28/01 Sangesland received a "UST Closure Report" from Mr. Dean Cruciani of Pennsylvania Tectonics, Inc. (570-487-1959). This one report includes UST Closure information on one of three seperate tank pulls at 3 different buildings all on the King's County Hospital property. (UST's adjacent to Buildings G, J & U)

This spill is associated with the tank adjacent to Building "U"

(Buildings "G" & "J" both had a closure in place of two 3,000 gal fuel oil USTs. This work was presented elsewhere with no contamination found)

Building "U"
Closure via removal of one 3,000 gal fuel oil UST
Contaminated soil was found in the bottom of the tank pit and additional site characterization is needed along with further remediation.
Tank was pulled by Tyree on May 4, 2000. Contamination was detected by smell and PID in the pit. The area was "overexcavated" and then five soil samples were taken.
Later on May 4th, a new tank was installed on the site and new clean fill was put in around it. The results of the soil sampling came back in June 2000 with "Hits" on several SVOC's, and the spill number was called in.

Pennsylvania Tectonics concludes that additional site characterization and/or remediation may be necessary.

8/05 – Langan Engineering submitted a Petroleum Spill Closure report



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 27 **530 UTICA AVE/BKLYN/MERIT**
530 UTICA AVENUE BROOKLYN, NY

Spill Number: 8905879 **Close Date: 12/19/1990**
TT-Id: 520A-0040-939

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 171 feet to the NE*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
Notifier Type: Tank Tester
Caller Name: GUY CAPONE
DEC Investigator: SULLIVAN

Spiller: MERIT
Notifier Name:
Caller Agency: GAS INSTALLATIONS
Contact for more spill info:

Spiller Phone: (718) 773-8047
Notifier Phone:
Caller Phone: (718) 647-7443
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
[illegible]1989	12/19/1990	TANK TEST FAILURE	2-297704	UNKNOWN	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:

(2) 4K TANKS FAILED PETRO TITE WITH A LEAK RATE OF +.126GPH, WILL RETEST OR UNCOVER, GASOLINE INSTALLATIONS E,I & R, PASSED.

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

Map Identification Number 28 **700 UTICA AVENUE. / BROOK** **Spill Number: 8701178** **Close Date: 08/25/1987**
700 UTICA AVENUE BROOKLYN, NY TT-Id: 520A-0040-770

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 710 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:
DEC Investigator: UNASSIGNED

Spiller: UTICA TAXI
Notifier Name:
Caller Agency:
Contact for more spill info:

Spiller Phone: (718) 774-9767
Notifier Phone:
Caller Phone:
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
05/11/1987	08/25/1987	TANK TEST FAILURE	2-280585	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
LINE	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:

5-550 GALLON TANKS FAILED AIR PRESSURE TEST. (10 LBS)

DEC Investigator Remarks:

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

Map Identification Number 29 **755 FENIMORE ST**
755 FENIMORE ST

BROOKLYN, NY

Spill Number: 0012606 **Close Date: 02/08/2005**
TT-Id: 520A-0039-980

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 949 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Responsible Party
Caller Name: PHIL FAZIN
DEC Investigator: TJDEMEO

Spiller: OWNER - JACOB HAGEN.
Notifier Name:
Caller Agency: CROWN LEAK DETECTION
Contact for more spill info: CALLER

Spiller Phone: (718) 782-0579
Notifier Phone:
Caller Phone: (516) 939-2959
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
02/26/2001		TANK TEST FAILURE	NO	NO

Material	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	5000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

CALLER TESTED TANK. TANK FAILED

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
2/13/03 TJD

Closure report submitted by Castlton Environmental reviewed. Minor SVOC exceedances noted. Appendix of report contained color photographs of petroleum puddled in base of excavation. No groundwater sampling performed. Letter sent requiring a minimum of one monitoring well be installed in source area.

2/8/05 TJD
NYC Tank Testers retained Miller Environmental to install a single groundwater monitoring well to a depth of 45 feet. Samples taken, results below TAGM. No further action required. Spill closed.

Map Identification Number 30 **456 SCHNECTADY AVE** **Spill Number: 0510754** **Close Date: 06/06/2006**
456 SCHENECTADY AVE BROOKLYN, NY TT-Id: 520A-0051-499

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 975 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Tank Tester
Caller Name: MARLON JOSEPH
DEC Investigator: rvketani

Spiller: MARLON JOESPH
Notifier Name: MARLON JOSEPH
Caller Agency: PETROLIUM TANK CLEANERS
Contact for more spill info: MARLON JOESPH

Spiller Phone: (718) 624-4842
Notifier Phone: (718) 624-4842
Caller Phone: (718) 624-4842
Contact Person Phone: (718) 624-4842

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

ate	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/14/2005		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

Caller Remarks:

ABOVE LIQUID LEAK, 5000 GALLON TANK.,

DEC Investigator Remarks:

need to send TTF letter

12/22/05 – Raphael Ketani. I left a message for Marlon Joseph of PTC ((718)624-4842)to call me back regarding the TTF, submit a report, and tell me the status of the area around the tank.

December 23, 2005

A "Tank Test Failure Letter" was sent to:

Isaac Hager
456 LLC
438 Kingston Ave
Brooklyn, NY 11225

12/29/05 – Raphael Ketani. I left a message for Mr. Joseph requesting the status of the spill.

1/26/06 – Raphael Ketani. I tried to reach Mr. Joseph, but could only get Ray. He said that the case notes indicate only that it was a top tank failure. He can't tell whether any oil escaped or whether the floor is oily. He said that another test will be done to check the associated piping.

2/17/06 – Raphael Ketani. I tried to reach Mr. Joseph, but could only leave a voice message.

2/28/06 – Raphael Ketani. I tried to reach Mr. Joseph, but could only leave a voice message.

3/17/06 – Raphael Ketani. I tried to reach Mr. Joseph, but could only leave a message. I will send a letter to Mr. Hager requesting a report regarding the status of the tank test failure, any repairs and the clean up of contaminated soil.

– Raphael Ketani. I received a call today from Isaac of Eastmond. He said that the tank failure was due to several holes at the top of the tank that were never properly plugged. He said that there was no impact to the environment or drains or sewers. He added that the tank is being abandoned in place, PBS will get a revised PBS application for the abandonment, and 3 soil samples were taken through the tank and came back alright. Isaac said that the owners of the building will install a new tank. I told him to send me all of the paperwork for the abandonment, contract work, and soil analytical data. He said he would.

4/20/06 – Raphael Ketani. I tried to reach Isaac of Eastmond, but could only leave a message with the secretary. I spoke to the secretary at PTC and she said PTC is no longer involved in the site. She gave me the number of the management company, AVI Realty at (718) 953–3300, and told me to speak with Joe Popach. I tried calling, but no one answered.

The PBS case is #2–245674. It still shows a 5,000 gal. tank in service with #6 fuel oil. No revised application has been submitted.

5/22/06 – Raphael Ketani. I received the investigation and tank closure report from Isaac Mungra of Eastmond. The tank passed the tightness test, but not the pipes, and the analytical results are clean, and the tank has been abandoned in place. However, he forgot to send me the revised PBS application with the owner's signature. He said he will send it soon.

6/5/06 – Raphael Ketani. I received a copy of the revised PBS application with the owner's signature. The original went to the PBS unit, according to Mr. Mungra of Eastmond.

6/6/06 – Raphael Ketani. Based upon the documentation received to date, I am closing this spill case.

Map Identification Number 31 **KINGSBORO PSYCH** **Spill Number: 0811827** **Close Date: 07/09/2009**
881 CLARKSON AVE BROOKLYN, NY TT-Id: 520A-0226-074

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1021 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	DAVID LEBRON – KINGSBORO PSYCH	Spiller Phone:	
Notifier Type:	Tank Tester	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	MXAJOKU	Contact for more spill info:	DAVID LEBRON	Contact Person Phone:	(718) 221-7269

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
01/29/2009		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
011	2500	Horner EZY3/EZY3 Locator Plus	0.00	UNKNOWN

Caller Remarks:

Caller states he performed a EZ-3 test and had a failure. No spill or resources affected.

DEC Investigator Remarks:

PBS 2-337978

02/04/09: Tank tightness test was conducted on tank ID # 011 by Empire Environmental on 01/29/09. The result indicates that the tank failed TTT. Empire Environmental is currently working to address this issue. (MA)

Contact person at Empire Environmental are: James Giustiniani, 718 714 6898.

03/12/09: I spoke with Micheal Platliano regarding level of progress related to tank tightness test failure. I requested him to forward details level of work done so far and their future workplan proposal in writing. Detail email and photos dipicting hole on the double wall fiberglass tank can be found in the eDocs. (MA)

06/29/09: Following the review of tank tightness test result and soil sample analytical report dated June 29, 2009 which was prepared and submitted by HDR, the spill number associated with the facility is hereby closed. Detail can be found in the eDocs. (MA)

Map Identification Number 32 **CLOSED-LACKOF RECENT INFO** **Spill Number: 9300610** **Close Date: 03/10/2003**
133 E. 53RD STREET BROOKLYN, NY TT-Id: 520A-0041-270

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1239 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Name: SEBASTIAN LOREFICE
Investigator: ADMIN. CLOSED

Spiller: NYC PUBLIC SCHOOL
Notifier Name:
Caller Agency: TANK TESTING
Contact for more spill info:

Spiller Phone: (718) 706-3403
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	Meets Cleanup Standards	Penalty Recommended
04/13/1993		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

EX-ISO & RETEST.

CLOSED DUE TO LACK OF ANY RECENT INFO-DOES NOT MEET ANY REQUIREMENTS.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ADMIN.CLOSED"
03/10/2003 Closed Due To The Nature / Extent Of The Spill Report

Map Identification Number 33 **CLOSED-LACKOF RECENT INFO**
133 E. 53RD STREET BROOKLYN, NY **Spill Number: 9012434** **Close Date: 03/07/2003**
TT-Id: 520A-0049-347

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1239 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Name:
Investigator: ADMIN. CLOSED
Spiller: NYC BD OF EDUCATION
Notifier Name:
Caller Agency:
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone:
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	Meets Cleanup Standards	Penalty Recommended
03/04/1991		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:

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 "ADMIN.CLOSED"
03/07/2003 Closed Due To The Nature / Extent Of The Spill Report

Map Identification Number 34 **RUTLAND TOWERS -NYCHA** **Spill Number: 9102099** **Close Date: 12/07/2005**
955 RUTLAND RD BROOKLYN, NY TT-Id: 520A-0041-097

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1253 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	NYCHA	Spiller Phone:	
Notifier Type:	Police Department	Notifier Name:		Notifier Phone:	
Caller Name:	SEBASTIAN LOREFICE	Caller Agency:	TANK TESTING INC	Caller Phone:	(718) 789-3770
DEC Investigator:	SWKRASZE	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 - 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
05/20/1991		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	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		Unknown	0.00	UNKNOWN

Caller Remarks:

8K TANK FAILED HORNER EZY CHECK WITH A VISUAL LEAK.

DEC Investigator Remarks:

12/07/05: This spill transferred from J.Kolleeny to S.Kraszewski.

This spill closed to consolidate with open spill #9801630.

Map Identification Number 35 **GOOD YEAR TIRE**
741 UTICA AVE
BROOKLYN, NY

Spill Number: 0311667 **Close Date: 02/07/2007**
TT-Id: 520A-0040-458

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1283 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: JIM DONELEN
DEC Investigator: skcarlso

Spiller:
Notifier Name: JIM DONELEN
Caller Agency: PRO TEST
Contact for more spill info: PAUL LAFATA

Spiller Phone:
Notifier Phone: (631) 321-4670
Caller Phone: (631) 321-4670
Contact Person Phone: (212) 506-0611

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
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
01/16/2004		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	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	1000	Horner EZ Check I or II	0.00	UNKNOWN
2	1000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

BOTH TANKS FAILED. PROBABLY WILL ISOLATE AND RETEST, FURTHER INFO NOT AVAILABLE AT THIS TIME.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
send ttf letter.

Cpoy of the original TTF leter has been faxed to Dan Midlton Jr. at 631-321-4349.

3/16/05. J.Krimgold called Dan Midlton (631-321-4300)and requested more info regarding these tanks. No PBS registr. can be found.

4/18/05. Don Midleton called and informed that there were two (2) tanks at this site and both of them failed the test. YK.

9/26/05. J.Krimgold spoke to John Leddy (Pro Test). He performed a TT for 2 1000 gal USTs at this location. Both tanks failed the test. The test was ordered by Mr. Moshe Cohen and payment was by the check from:
Magestic Capital
5817 Church Avenue
Brooklyn, NY 11203

11/30/05: Site transferred from Krimgold to Andersen. Sent letter to Moshe Cohen at above address stating that he needs to 1)register petroleum tanks 2) fix problem that caused tank test failure 3) investigate soil/gw contamination. Due back 1/26/05.

1/12/06: Received a fax with tank information from Robert Sharron, the RP attorney. Both tanks were re-tested (on 2/23/04 and 2[illegible]4) and passed, except for tank #2 vent pipe. The tanks were closed in place by Protest on 1/11/05. Information is not [illegible]on PBS.

1/13/06: Spoke with the lawyer, Robert Sharron and said that a closure report is required for the tank closures. If Protest can't come up with one, then soil samples can be taken to confirm the area is clean.

1/18/06: Spoke with Protest. They will submit a proposal to Moshe to take soil samples around the tanks.

3/8/06: Spoke with Vincent Dejana of Soil Solutions (516-292-6000). One of the tanks is inaccessible under the building. I said that it was fine to take borings on the sidewalk. He will submit a workplan.

5/5/06: Reviewed workplan from Soil Solutions. Two fuel oil tanks were tested in 2004, and passed. Tanks were then abandoned in place in 2005. Five soil boring locations were proposed. Workplan approved.

7/26/06: Left message with secretary to get followup on site status from Vincent Degen.

7/31/06: Spoke with Vincent Dejana. He will contact me when a soil boring date is scheduled.

9/5/06: Spoke with Steve at Soil Solutions. They have not been instructed to start work at the site. Owners contact info: Moshe Cohen (917-567-4481). Spoke with Moshe Cohen. He will contact Soil Solutions.

9/20/06: Left message with secretary at Soil Solutions to followup on start date for sampling.

10/16/06: Spoke to Soil Solutions, a delineation date hasn't been scheduled.

10/23/06: Spoke to Steve at Soil Solutions. A mobilization date has not been scheduled.

10/30/06: Spoke to Steve, a delineation date has not been scheduled.

11/29/06: Spoke to Steve at Soil Solutions. Delineation will occur next week. He will call when a time has been scheduled.

12/5/06: Delineation scheduled for 12/6/06 8:30am.

12/6/06: Witnessed site assessment.

2/7/07: Received sampling data. Five borings performed. No soil or gw exceedances in any borings. NFA issued.

3/5/07: Sent a second copy of the No-further-action letter to:
Moshe Cohen
2662 National Drive
Brooklyn, NY 11234

Identification Number 36 **REID HOUSES -NYCHA**
728 EAST NEW YORK AVE
BROOKLYN, NY

Spill Number: 9413242 **Close Date: 09/26/2003**
TT-Id: 520A-0048-070

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1312 feet to the NW

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: PAT NERO
DEC Investigator: JAKOLLEE

Spiller: NYC HOUSING AUTHORITY
Notifier Name:
Caller Agency: NYC HOUISNG AUTHORITY
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
01/04/1995		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		Unknown	0.00	UNKNOWN

Caller Remarks:

FAILED DUE TO TEMPERATURE CHANGE

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

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

Identification Number 37 **REID APTS.**
728 EAST NEW YORK AVE
NEW YORK CITY, NY

Spill Number: 9009935 **Close Date: 04/27/1995**
TT-Id: 520A-0048-066

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1312 feet to the NW

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: ROBERT GANDOLFO
DEC Investigator: HEALY

Spiller: NYCHA
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	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
12/12/1990	04/27/1995	TANK TEST FAILURE	2-474355	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		Unknown	0.00	UNKNOWN

Caller Remarks:

15K TANK FAILED HORNER EZY CHECK, VISUAL LEAK, STICK LINE LEAK IN MANWAY, TO REPAIR & RETEST. SEE SPILL # 9413242

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

Map Identification Number 38 **639 ALBANY AVENUE**
639 ALBANY AVENUE
BROOKLYN, NY 11203

Spill Number: 0303798 **Close Date: 07/19/2013**
TT-Id: 520A-0048-073

MAP LOCATION INFORMATION
cation mapped by: PARCEL MAPPING (1)
ximate distance from property: 1445 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: 639 ALBANY AVE
Revised zip code: NO REVISION MADE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: DAVID FAZIN
DEC Investigator: VXBREVDO

Spiller: EDWARD WOOSTER
Notifier Name: DAVID FAZIN
Caller Agency: CROWN LEAK DETECTION
Contact for more spill info: EDWARD WOOSTER

Spiller Phone: (516) 745-6611
Notifier Phone: (516) 939-2959
Caller Phone: (516) 939-2959
Contact Person Phone: (516) 745-6611

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
07/10/2003		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001	5000	Horner EZ Check I or II	0.00	FAIL

Caller Remarks:

tank test failure

DEC Investigator Remarks:

05/11/10 – LZ
Sent two TTF letters(eDocs) to:

Attn: Beatrice Wooster
ASR Realty
666 Old Country Road
Garden City, NY 11530

and

Attn: Charles Clarke
ASR Realty
639 Albany Avenue
F lyn, NY 11203

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
Sangesland DDO

TTF letter sent to:

Ed Wooster

666 Old Country Rd

Garden City, NY 11530

11/09/05 called Ed Wooster and left message to call me. J Lister

11/14/05 Spoke with someone from Mr Wooster's office, they will fax invoice regarding replaced tank. J Lister

3/24/06 Reviewed submittal of invoice for new above ground tank and closed the site. J Lister

07/16/13 – Spill Case is transferred from Leszek Zielinski (PBS Unit) to V. Brevdo (Section B) as per DER Region 2 decision – Tank Test Failure Spill Case. VB

07/19/2013 – V. Brevdo
The records indicate that J. Lister did obtain on 3/24/06 information /document veryfying that the tank that failed test has been replaced with a new tank. Given lack of information which would be indicative of impacts to soil and provided DEC alreadyy did receive informaiton regarding installation of the replacement tank, and that this informaiton was acceptable to the DEC in 2006 ("closed the site"), the Department feels the closure of this spill case is appropriate at this time. The site is a 7–story residential building and exposure is very unlikely. Spill case is closed effective 07/19/2013. V. Brevdo

Map Identification Number 39 **CLOSED–LACKOF RECENT INFO**
675 LINDEN AVENUE BROOKLYN, NY **Spill Number: 8710713** **Close Date: 03/05/2003**
TT–Id: 520A–0045–340

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1528 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 675 LINDEN BLVD
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Tank Tester
Caller Name: ROBERT CLARK
Investigator: ADMIN. CLOSED

Spiller: LINDEN PLAZA ASSOCIATES
Notifier Name:
Caller Agency: HAZCO INT'L
Contact for more spill info:

Spiller Phone: (718) 235–1040
Notifier Phone:
Caller Phone: (703) 620–4700
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
03/22/1988		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	–1.00	GALLONS	0.00	GALLONS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

EXCAVATE/ISOLATE/RETEST LEAK RATE REPORTED AT 6.118 G.P.H. CLOSED DUE TO LACK OF ANY RECENT INFO–DOES NOT MEET ANY CLEAN UP REQUIREMENTS.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ADMIN.CLOSED"
04/15/88: (2) 30K Tanks,Retest, Weren'T Able To Obtain A Rate Petro Meter Had Leak, (04/15/88) 16:00, Pumped Below Gauge And Will Replace And Retest. 03/05/2003- Closed Due To The Nature / Extent Of The Spill Report

Map Identification Number 40 **836 CROWN ST**
836 CROWN ST
BROOKLYN, NY
Spill Number: 0211728 **Close Date: 08/11/2003**
TT-Id: 520A-0049-337

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1770 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Responsible Party
Caller Name: JOHN LEDDY
DEC Investigator: MXTIPPLE

Spiller: UNKNOWN
Notifier Name: A LOPEZ
Caller Agency: PROTEST
Contact for more spill info: DON CARLO

Spiller Phone:
Notifier Phone: (631) 321-4670
Caller Phone: (631) 321-4670
Contact Person Phone: (718) 857-3100

ory: 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
02/25/2003		TANK TEST FAILURE	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	3000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

APT HOUSE TANK TEST SOMETHING AT THE TOP OF THE TANK POSSIBLE A LINE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
Sangesland on desk duty

Tank Test failure letter sent

8/11/03 tipple recieved documentation//ast passed subsequent test//nfa

Map Identification Number 41 **1504 CARROLL ST**
1504 CARROLL ST BROOKLYN, NY **Spill Number: 9800420** **Close Date: 04/16/1998**
TT-Id: 520A-0051-486

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2394 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Affected Persons
Caller Name: JOHN LEDDY
DEC Investigator: TOMASELLO

Spiller: CONE TANK - CONE TANK
Notifier Name: TOM LEDDY
Caller Agency: PROTEST ENTERPRISES
Contact for more spill info: CONE TANK

Spiller Phone: (718) 331-5003
Notifier Phone: (516) 321-4670
Caller Phone: (516) 321-4670
Contact Person Phone: (718) 331-5003

[illegible]ory: 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
04/09/1998		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

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

Caller Remarks:

NO COMMENTS

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

Map Identification Number 42 **1504 CARROLL ST**
1504 CARROLL ST
BROOKLYN, NY

Spill Number: 9800235 **Close Date: 10/21/1999**
TT-Id: 520A-0051-487

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2394 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Tank Tester
Caller Name: MICHAEL GIUSTINIANI
DEC Investigator: O'DOWD

Spiller: THOMAS A WIGGINS - APT BUILDING
Notifier Name: MICHAEL GIUSTINIANI
Caller Agency: STATE ENVIRO SERVICES
Contact for more spill info:

Spiller Phone: (718) 756-7285
Notifier Phone: (718) 265-3355
Caller Phone: (718) 265-3355
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
04/06/1998		TANK TEST FAILURE	2-345601	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

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

Caller Remarks:

UNDERGROUND TANK

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:

APRIL 6, 1998 TANK TEST FAILURE OF 2,000 GAL #2 OIL UST.
TRADE-WINDS'S TANK CLOSURE REPORT DATED 10/18/99 DOCUMENTS THE CLOSURE IN PLACE OF THE 2,000 GAL #2 OIL UST. THE REPORT ALSO DOCUMENTS THE SOIL ANALYTICAL RESULTS FROM ONE BORING DONE ON THE SOUTH END OF THE TANK TO 45 FT BG AND ANOTHER BORING DONE ON THE NORTH END OF THE TANK TO 36 FT BG. THIS REPORT ALSO DOCUMENTS THAT THERE WAS NO VISUAL OR PID FIELD SCREENING EVIDENCE OF ANY CONTAMINATION THROUGHOUT BOTH BORINGS. UPON REVIEW OF THIS DATA AND THE SOIL ANALYTICAL RESULTS, SPILL CLOSED. SEE CASE

FILE.

Map Identification Number 43 X
1500 CARROLL ST BROOKLYN, NY **Spill Number: 0208651** **Close Date: 06/20/2006**
TT-Id: 520A-0051-488

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2421 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Tank Tester
Caller Name: PHIL FAZIN
DEC Investigator: rmpiper

Spiller: K MARKS
Notifier Name: DAVE FAZIN
Caller Agency: CROWN LEAK DETECTION
Contact for more spill info: K MARKS

Spiller Phone: (718) 363-8399
Notifier Phone: (516) 939-2959
Caller Phone: (516) 939-2959
Contact Person Phone: (718) 363-8399

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

ate	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
11/20/2002		TANK TEST FAILURE	2-189405	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:

UNCOVER REPAIR AND RETEST

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"
11/21/2002: TANK TEST FAILURE LETTER SENT.
1/7/04-Vought-Spill transferred from Vought to Austin.
01/27/04 - Sawyer - Spill transferred from Austin to Sawyer.
12/5/05- DEC Piper spoke w/ Sabi atAbilene Inc. Management co.. She had faxed info regarding test though no receipts. I had placed phone calls into Crown Leak, NYC Tank Test and ABC Tank for info.
2/10/06- DEC Piper spoke w/ Sabi at Abilaene Inc. requesting receipts. She informed me that they are only a contractor/ rep of the site. She provided ownership address and name.
2/10/06- DEC Piper mailed old ttf letter to

Jacob Hager
Basic Maintenance Corporation
325 Empire Blvd
Brooklyn, NY 11225
5/5/06- DEC Piper mailed CSL to Jacob Hager
5/8/06- DEC Piper received call from JAcob Hager. He will look into if any soil samples were taken.
6/20/06- DEC Piper received documentation of repairs made to system. Test failed due to above liquid level leak. Petrometer line. Repairs were completed. Tank was retested and passed. Closed. See E-docs if warranted.

Map Identification Number 44 **870 ALBANY AVE./ST.CATHER**
870 ALBANY AVE.
NEW YORK CITY, NY

Spill Number: 8706207 **Close Date: 11/05/1993**
TT-Id: 520A-0040-791

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2519 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Type: Tank Tester
Name:
DEC Investigator: BATTISTA

Spiller: ST. CATHERINE OF GENOA
Notifier Name:
Caller Agency:
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	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
10/22/1987	11/05/1993	TANK TEST FAILURE	2-317713	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	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:

5K TANK SYSTEM FAILED PETRO-TITE TEST, WILL NOT HOLD PRODUCT IN STANDPIPE, WILL DISCUSS THEIR OPTIONS.

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

Map Identification Number 45 **KINGS CO HEALTH CENTER**
451 CLARKSON AVENUE BROOKLYN, NY

Spill Number: 9812669 **Close Date: 03/18/2009**
TT-Id: 520A-0052-133

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 2621 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11203

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: JOHN LEDDY
DEC Investigator: JMKRIMGO

Spiller: CHARLIE ABRUZZO - KINGS COUNTY HEALTH CENTER Spiller Phone: (718) 245-2953
Notifier Name: JOHN LEDDY Notifier Phone: (516) 321-4670
Caller Agency: PROTEST ENTERPRISES Caller Phone: (516) 321-4670
Contact for more spill info: CHARLIE ABRUZZI Contact Person Phone: (718) 245-2953

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.
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
01/13/1999		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
1	2500	Horner EZ Check I or II	0.00	FAIL

Caller Remarks:

FIVE YEAR TEST WAS DONE AND FAILED. HOSPITAL IS AWARE OF FAILURE.

DEC Investigator Remarks:

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

06/12/06: This spill is transferred from Mike Mulqueen to Mr. Koon Tang.
03/18/09. Double-wall tank and piping. Discharge is highly improbable. Tank system was retsted and passed in 2009. NFA. JK.

Map Identification Number 46 **KINGS COUNTY HOSPITAL**
451 CLARKSON AVENUE
BROOKLYN, NY 11203

Spill Number: 9802131 **Close Date: 11/27/2006**
TT-Id: 520A-0052-132

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 2621 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Tank Tester
Caller Name: JOHN LEDDY
DEC Investigator: VSZHUNE

Spiller: PHIL SHUI - KINGS COUNTY HOSPITAL
Notifier Name: A LOPEZ
Caller Agency: PROTEST ENTERPRISES
Contact for more spill info: PHIL SHUI

Spiller Phone: (718) 245-2949
Notifier Phone: (516) 321-4670
Caller Phone: (516) 321-4670
Contact Person Phone: (718) 245-2949

ory: 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
05/18/1998		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
011	3000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
4/12/04-Vought-Spill transferred from Tomasello to Rommel as per Rommel. Called King's County Hospital, Phil Shui no longer

there (Jan 2006), recommended by operator to try for Mr. Chapman or Mr. Gorman. (Jones).

Feb 26, 2006, recontacted Kings Co. Hospital, unable to contact Mr. Chapman or Mr. Gorman. Next step – Establish contact with Mssrs Chapman and or Gorman.

09/8/2006 This case was transfer from Albany to Region #2. 09/8/2006–Zhune tried to contact Mr Gorman ph:(718)245–2949. His secretary told me it's hard to get in touch with him. I left information for him to call me back. A TTF letter was sent to:
Kings County Hospital center
451 Clarkson Avenue
Brooklyn, NY 11203
Attn: Mr Gorman

11/27/2006 HRP Associates Inc. submitted a letter to the DEC dated Oct 4, 2006. In this letter HRP refers to a letter sent to Steve Sangesland of DEC from Pennsylvania Tectonic Inc. and dated June 21, 2000. This letter from Pennsylvania Tectonics says that "Tank 11" is located in hospital building J. The letter also talks about 3 different tanks in buildings G, J and U. It says the tanks in buildings G & J were closed in place and "do not pose a significant environmental concern and no further investigations are warranted."

Based on the information provided in this letter from Pennsylvania Tectonics, the DEC is closing the case for a tank failure of
11 in building J.

Map Identification Number 47 **KINGS COUNTY HOSPITAL**
451 CLARKSON AVENUE
BROOKLYN, NY

Spill Number: 9111266 **Close Date: 12/01/2003**
TT–Id: 520A–0048–194

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING – LARGE SITE
Approximate distance from property: 2621 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 451 CLARKSON AVE
Revised zip code: 11203

Source of Spill: NON–MAJOR FACILITY (>1100 GAL)
Notifier Type: Tank Tester
Caller Name: J LEDDY
DEC Investigator: SIGONA

Spiller: CHARLES ABRUZZO – HEALTH & HOSPITAL CORP
Notifier Name:
Caller Agency: PRO–TEST
Contact for more spill info:

Spiller Phone: (718) 245–2953
Notifier Phone:
Caller Phone: (516) 321–4670
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
01/30/1992		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	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:

E I & R

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:

'92: 20 SAMPLES, TPH = 34 PPM – 2690 PPM, SITE RENNOVATION BEING DONE. CONTAMINATED SOIL DISC. – TANKS TO BE PULLED (8 EA SAMPLES AROUND SOUTH 4 TANKS. C.O. = INSTALL WELLS (6).

Map Identification Number 48 **KINGS COUNTY HOSPITAL**
451 CLARKSON AVENUE
BROOKLYN, NY

Spill Number: 9009624 **Close Date: 12/01/2003**
TT-Id: 520A-0048-192

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING – LARGE SITE
Approximate distance from property: 2621 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11203

Source of Spill: NON-MAJOR FACILITY (>1100 GAL)
Notifier Type: Tank Tester
Caller Name: JOHN LEDDY
DEC Investigator: SIGONA

Spiller: CHARLES ABRUZZO – HEALTH & HOSPITALS CORP
Notifier Name:
Caller Agency: PRO TEST
Contact for more spill info:

Spiller Phone: (718) 245-2953
Notifier Phone:
Caller Phone: (516) 321-4670
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
12/04/1990		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	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:

3K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK, TO RETEST AFTER FIXING MANHOLE COVER.

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

Map Identification Number 49 **KINGS CTY HOSPITAL**
451 CLARKSON AVE
BROOKLYN, NY

Spill Number: 0800190 **Close Date: 10/31/2008**
TT-Id: 520A-0217-916

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 2621 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11203

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name:
DEC Investigator: MXAJOKU

Spiller: JOE MULCHAN - KINGS CTY HOSPITAL
Notifier Name:
Caller Agency:
Contact for more spill info: JOE MULCHAN

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (718) 245-2946

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
04/04/2008		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
	12000	Horner EZ Check I or II	0.00	UNKNOWN
10	3000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

tank # 10 is in building G and the outer wall failed with a dry leak; other tank is at building Z and the inner wall fails with a dry leak

DEC Investigator Remarks:

[illegible]08- Zhune spoke to Bob Urban from Protest (718)-482-4098. The 3000 gallons double wall Diesel tank failed the outer wall [illegible]assed the inner wall. The 12000 gallons Diesel tank fail the test becouse the man way cover is not seal on top of the tank. The proposal to repair both tanks was sent to the Kings County hospital. The fail tightness test results for both tank were sending.

08/13/08-Zhune spoke to Bob. He said the proposal has not been approved yet.

10/09/08- Zhune spoke to Joe Mulchan. The Tank at building G (3000 gallons) was repaired and passed the test. The tank at building C (12000 gallons) the fill line was repaired. The tank was restested and failed the test with a dry leak. They are in the process of empty the tank out and clean it. Petroleum tank cleaners will install a temporary tank and do a comlete inspection to find out where the leak is. The tank will be repair and retested. The report will be send.

10/31/08: Re-test results of the two UST has been submitted to DEC for review. Both tanks passed TT, in view of these reports, the spill is hereby closed. Check eDocs for details.(MA)



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 50 **MANHOLE 69180**
E 49TH ST/WINTHROP ST
BROOKLYN, NY

Spill Number: 0503541 **Close Date: 06/24/2005**
TT-Id: 520A-0037-398

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: PETE MCGURIE
DEC Investigator: GDBREEN

Spiller: UNKNOWN
Notifier Name: MR HOGAN
Caller Agency: CONED
Contact for more spill info: ERT DESK

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-8383

ory: 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
06/23/2005		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:

1 qt of unkn oil in manhole, coming off 24 hr clock. located earthen sump. clean-up pending crew availability. con ed ref # 159384

DEC Investigator Remarks:

159384. 23-JUN-2005 1100 HRS. UNDERGROUND WEST SPLICER S. DIMAURO, EMPLOYEE NO. 44803,

REPORTS WHILE ON LOCATION TO INSPECT MH69180 LOCATED ON THE W/E OF 49TH STREET 444' N/O WINTHROP ST, ON ACCT NO C3255, FINDING APPX 1 QT OF UNKNOWN OIL, NO WATER IN THE STRUCTURE. OIL IS ON THE FLOOR OF THE STRUCTURE. NO FIRE OR SMOKE INVOLVED, NO INJURIES RELATED TO THE SPILL, NO SEWERS, WATERWAYS OR PRIVATE PROPERTY AFFECTED. SPILL APPEARS TO BE CONTAINED TO THE STRUCTURE. HE IS UNABLE TO VERIFY THE SOURCE OF THE SPILL, OR THE PRESENCE OF ANY SUMPS OR SEWER CONNECTIONS. ENVIRONMENTAL TAG NO 48042 WAS PLACED IN THE STRUCTURE. HE HAS TAKEN A SAMPLE FOR PCB'S, MARKED IT PRIORITY "E", WHICH WILL BE TAKEN BY THE CORPORATE COURIER ON CC NO. CC17525, TO ASTORIA LAB FOR ANALYSIS. THE STRUCTURE IS LOCATED IN FRONT OF AN ACTIVE HOSPITAL DELIVERY DRIVEWAY. BORCHERDING C

6/23/2005 18:50 HRS. AS PER CHEM LAB LIMS, SAMPLE LOGGED IN AT 15:43 HRS. LAB SEQ # 05-06089-001. - W.W. #17344 --

UPDATE 23-JUN-2005 20:32 HRS. LSN-05-06089-001 MATRIX : OIL GRAB. < 1. PPM. C.HOGAN 07511

24-JUN-2005 01:10 HRS. ENVIR. OPER. MECH-A A.GLODOWSKI EMP# 18711 REPORTS: FOUND EARTHEN SUMP IN STRUCTURE, INCIDENT 159384 WILL BE REMOVED FROM THE 24hr DIMINIMUS LIST AND RECLASSIFIED AS SPILL OIL TYPE UNKNOWN. C.HOGAN 07511

UPDATE 24-JUN-2005 01:23 HRS. CIG P.MCGUIRE NOTIFIED. C.HOGAN 07511

6/24/2005 02:00 HRS. -- A. GLODOWSKI OF BROOKLYN ENV OPS REPORTS HE & S. RAFT REMOVED DEBRIS & LIQUIDS WITH VACTOR, DOUBLE WASHED STRUCTURE WITH BIOGEN 760, CEMENTED THE EARTHEN SUMP (PREVIOUSLY REPORTED) AND REMOVED ENV STOP TAG 48042. CLEANUP IS COMPLETE AT TIME. -- W.W. #17344

Map Identification Number 51 **MANHOLE 41671**
UTICA AVE/RUTLAND RD
BROOKLYN, NY

Spill Number: 0002745 **Close Date: 09/25/2001**
TT-Id: 520A-0038-677

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 281 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: TONY LOPEZ
DEC Investigator: JHOCONNE

Spiller: UNKNOWN - UNKNOWN
Notifier Name: MR DELLATONE
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone:
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
06/04/2000		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:

CALLER REPORTING A SPILL OF MATERIAL FROM AN UNK SOURCE SAMPLES TAKEN CLEAN UP PENDING LAB RESULTS CONED#131703 NO CALLBACK NECESSARY

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con Ed e2mis Notes:

6/4/00 2gal unknown oil on 500gal water in manhole. Unable to see any oil filled equipment or sump due to water. Sample returned <1ppm PCB.

Cleanup completed by double washing with slix. Liquids removed by tanker. Due to recent cleansing of hole, no solid waste. material was double bagged and taken to Neptune Yard by #9 to be disposed of as 50-499ppm.

Map Identification Number 52 **VAULT 3016**
RUTLEND RD/UTICA AVE BROOKLYN, NY **Spill Number: 0002394** **Close Date: 09/24/2001**
TT-Id: 520A-0042-560

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 281 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: RUTLAND RD / UTICA AVE
Revised zip code: 11203

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: MIKE CESARE
DEC Investigator: JHOCONNE

Spiller: UNKNOWN
Notifier Name: POVERELLI
Caller Agency: CON EDISON
Contact for more spill info: MIKE CESARE

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
05/25/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

OIL SCHEEN ON 1000 GALS OF WATER. CON ED 131579.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con Ed e2mis #131579:

5-25-00 While on location to do routine flush, found an undiaperable sheen of unknown oil on 1000gal water in vault. #9 to pressure test unit. Historical records show PCB count as 1ppm.

Was pressure tested and tested OK. Oil level is good. Sample returned <1ppm PCB.

[illegible]00 Initial cleanup completed. UG to repair default.

6-1-00 Default repaired by UG. Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. Sump cemented. No leaking equipment.

Map Identification Number 53 **AMOCO**
529 UTICA AVENUE
BROOKLYN, NY

Spill Number: 9912292 **Close Date: 05/23/2001**
TT-Id: 520A-0042-493

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 426 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: ERIK NOOLANEI
DEC Investigator: JBVOUGHT

Spiller: JAY SEMMELMACHER - AMOCO
Notifier Name: ERIK NOOLANEI
Caller Agency: DELTA ENVIROMENTAL
Contact for more spill info: ERIK NOOLANEI

Spiller Phone: (516) 295-3400
Notifier Phone: (914) 765-8195
Caller Phone: (914) 765-8195
Contact Person Phone: (914) 765-8195

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
01/26/2000		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:

TEST RESULTS FROM WELL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
Close Cross reference to 9309669, 9711395.

[illegible]3 REASSIGNED FROM ROMMEL TO VOUGHT.

11/24/03 Reassigned from Vought to Foley.

Map Identification Number 54 **NYCSCA - OLD BOYS HIGH SCHOOL**
708 MAPLE STREET
BROOKLYN, NY

Spill Number: 0500932 **Close Date: 06/18/2009**
TT-Id: 520A-0040-671

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 536 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11203

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

Spiller: IGOR VARUBIN - OLD BOYS HIGH SCHOOL
Notifier Name: TARAK CHOOLUI
Caller Agency: LANGAN
Contact for more spill info: IGOR VARUBIN

Spiller Phone: (212) 279-1981
Notifier Phone: (212) 479-5400
Caller Phone: (212) 479-5400
Contact Person Phone: (212) 279-1981

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
04/20/2005		UNKNOWN	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
	550	Unknown	0.00	UNKNOWN

Caller Remarks:

FOUND THE TANK TWO DAYS AGO AND SAMPLES WERE TAKEN AND THE RESULTS CAME BACK TODAY AND THERE WAS CONTAMINATED SOIL. SEMI VOLATLE
NIC COMPOUNDS WERE DETECHED. CAME ACROSS A 550 GALLON EMPTY UNDERGROUND STORAGE TANK AT THIS LOCATION. GROUNDWATER WAS NOT
CTED. REMEDIATION HAS NOT BEGUN

DEC Investigator Remarks:

Cont Soil Ltr sent to:

Egor Zarubin
TDX Construction Corp.
345 Seventh Ave - 12th Floor
New York, NY 10001

04/13/06- Case was transferred from Jake Krimgold to Koon Tang.

7/9/07: This spill case was transferred to Kartik Chanda. (Chanda)

8/2/07: Kartik Chanda of DEC has reviewed this spill case and sent a letter to Mr. Igor varubin, requiring that the following information and documents be submitted to DEC for review by 9/17/07:

1.Tank closure assessment report.
2.Locations of tank and/or line test failure.
3.Subsurface investigation report, including current and historical soil and groundwater analysis.
4.Surrounding property sketch: A surrounding property sketch including property layout and usage must be submitted to NYSDEC. North arrow and scale must also be included on the site plan.

9/7/07: The letter is undelivered. Return to the sender.

9/14/07: Kartik Chanda called Mr. Drew Pardus to get the site address for the Old Boys School. He stated that this school is not under NYCSCA or NYC Department of Education. It is a private school.

1/17/07: Chanda called Igor Varubin, TDX Construction Corp, (212)-279-1981. TDX Construction office personnel stated that Igor Varubin no longer this company and the Old Boys High School work was done.

4/24/08: Chanda called NYCSCA (Mr. Bob Kanaparthi) regarding the RP for this spill site. He Stated that he will search NYCSCA database and informed to DEC as soon as possible.

4/25/08: Chanda sent an email to NYCSCA to get the RP name and address for this spill site. (see eDocs)

6/12/08: Chanda received a call from Bob Kanaparthi, NYCSCA regarding the site. He stated that NYCSCA will send an email to DEC regarding the site update status and site related document as soon as possible.

6/13/08: Chanda received an email from Mr. Pardus, NYCSCA regarding the update information for this spill site. He stated the followings:

"...quested by New York State Department of Environmental Conservation (...DEC), the New York City School Construction Authority (NYCSCA) has reviewed historic project files to find information regarding a 550-gallon tank spill that was reported on April 20, 2005 (NYSDEC Spill Number 0500932).

NYCSCA has determined that Impact Environmental Remediation, Inc. was contracted by Metrotech Contracting Corp. and TDX Construction Corp. to remove and dispose of the underground storage tank (UST) and impacted soil. We are seeking further documentation regarding the removal and disposal of the UST and impacted soil and will keep you informed of progress in researching this issue."

6/16/08: Chanda sent a letter to Ms. Lee Guterman, NYCSCA, requiring that a UST Closure report must be submitted to DEC by 8/16/08 for review and approval. (see eDocs)

7/10/08: Chanda received a letter with attached some documentation from NYCSCA dated July 10, 2008 regarding this spill site. (see eDocs)

7/18/08: Chanda has reviewed the spill related documents which were submitted on July 10, 2008 from NYCSCA.

-On April 20, 2005, one 550-gallon UST was removed from the site.

-NYCSCA has determined that Impact Environmental Remediation, Inc. was contracted by Metrotech Contracting Corp. and TDX Construction Corp. to remove and dispose of the underground storage tank (UST) and impacted soil.

NYCSCA has submitted the following additional documentation as follows:

-Scrap metal receipt dated June 3, 2005 documenting the removal and transportation of the UST to Sixth Street Iron and Metal in Brooklyn, New York;

-Treatment/Disposal Facility's acceptance letter for the petroleum contaminated soils from Soil Safe's Logan Township, NJ disposal facility;

-Disposal manifests dated May 16, 2005 and May 26, 2005 which document the disposal of 54.53 tons of petroleum contaminated soil to the Soil Safe facility; and

- Soil transportation and disposal summarys.

The DEC has not received any soil and groundwater investigation report or data to evaluate the impact of soil and groundwater contamination on and off site . Based on the aforementationed reason, the NYCSCA request for a No Further Action letter is denied at this time.

7/22/08: Chanda send a letter to RP (NYCSCA) requiring that a Tank Closure Report or Subsurface Investigation Report (Soil and dwater investigation data) be submitted to DEc by 9/22/08 for review and approval.

9/24/08: Chanda received a UST Closure Report and Site Assessment Report prepared by LiRo Engineers, Inc., dated September 22, 2008. (see eDocs) Chanda reviewed the UST Closure and Site Assessment Report and has the followings:

* Advanced four boring to a depth of 11-13 feet bgs (SB-1 through SB-4)utilizing a track-mounted direct-push Geoprobe.

* Advanced one boring (SB-5) to a deapth of 24 feet bgs utilizing a track-mounted direct push Geoprobe.

* Continuously field screened soil borings with a photoionization detector (PID)

* Collected five grab soil samples at depths ranging from 11-13 feet bgs.

* Collected one groundwater sample from boring SB-1.

* No elevated PID readings were measured while field sreening the soils of borings.

* The soil and groundwater samples were analyzed for VOCs and SVOCs. The analytical results of the soils were compared to NYSDEC TAGM #4046 Recommended Soil Cleanup Objectives (RSCOs. No VOCs were detected in the soil samples. SVOCs excess of the TAGM RSCOs were detected in soil samples collected from borings SB-1, SB-3 and SB-5.

* No VOCs or SVOCs were detected in the groundwater sample collected from boring SB-1.

10/23/08: A meeting was held on 10/21/08 among DER staff, the NYCSCA representative to discuss the site status and USTs Closure Report for this site. The meeting's consensus was that groundwater investigations are required for this site. Chanda sent a

letter to NYCSCA requiring that a groundwater investigation work plan will be submitted to DEC by 11/28/08 for review and approval. (see eDocs)

05/13/2009: This spill case was transferred to A. Doronova. - AD

06/15/2009: Reviewed the file. A UST Closure Report and Site Assessment Report prepared by LiRo Engineers, Inc., was submitted on September 22, 2008. The report states that four soil borings were advanced to a depth of 11-13' with collection of soil samples; and one soil boring - to a depth of 24' with collection of soil and groundwater samples. Soil borings were performed in the area of the former UST field. The bottom of the former UST was estimated to be approximately 6 to 8' bgs. No odor or oil sataining were observed during the subsurface investigation. Soil from soil borings was continuously screened by PID with no elevated PID readings. No VOCs of SVOCs were detected in the groundwater sample. No VOCs were detected in soil samples. Slightly elevated SVOCs were detected in three out of five soil samples, with concentrations typical of urban fill. The soil boring logs confirm the presence of urban fill, and no naphtalene was detected in any of five soil samples. The consultant recommeded NFA for this case.

On October 21, 2008 meeting DEC requested to perform additional GW investigation at the site, and to submit WP for such investigation. The file also has a letter from NYCSCA dated November 17, 2008, in which SCA requested to re-consider requirement for additional groundwater investigation. AD

[illegible]'2009: Discussed the site with J. Kolleeny of DER. The additional groundwater investigation is unnecessary. The submitted [illegible] sufficient to close the case. AD

06/18/2009: Issued and sent a No Further Action letter to lee Guterman. DL the copy to eDocs. Case closed. AD

Map Identification Number 55 **681 CLARKSON AVE/KINGSBOR**
681 CLARKSON AVE/KINGSBOR

Spill Number: 9103291 **Close Date: 11/14/1991**
BROOKLYN, NY TT-Id: 520A-0048-893

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 593 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 681 CLARKSON AVE
Revised zip code: 11203

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: PHILIP STEW
DEC Investigator: SULLIVAN

Spiller:
Notifier Name:
Caller Agency: KINGSBORO PSYCHIATRIC CEN
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 221-7342
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/24/1991	11/14/1991	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	1000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

RENTAL EQUIPMENT TRACTOR TANK 4700K IN BETWEEN BLDGS (318 ACTION) IN PROCESS OF GETTING CONTRACTOR, SOIL AFFECTED, CONTAMINATED; OIL WAS STOPPED FROM STREET BY RETAINING WALL;CLEANUP CREW ENROUTE.

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

dentification Number 56 **KINGSBORO PSYCH CENTER TTF**
681 CLARKSON AVE
BROOKLYN, NY

Spill Number: 0909709 **Close Date: 05/13/2010**
TT-Id: 520A-0234-029

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 593 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11203

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

Spiller: DOUG SHRIMPF - KINGSBORO PSYCH CENTER
Notifier Name:
Caller Agency:
Contact for more spill info: DOUG SHRIMPF

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (631) 774-9681

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
12/02/2009		OTHER	NO	NO

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

Caller Remarks:

caller reporting a spill of unknown amount of diesel. clean up pending.

DEC Investigator Remarks:

05/13/10 – LZ
Reviewed URS Corp.'s report, dated May 6, 2010. After a malfunction of fuel transfer from tank G–2 to a day tank, a tightenss test was performed. The report (eDocs) indicates that the the tank system's tightness test failure was caused by a deteriorated joint, and a leak was contained with secondary containment of the piping system. Fifteen gallons of mixture of water and fuel were extracted from this secondary containment.In addition, soil surrounding the piping system was excavated and no evidence of petroleum contamination was noted. Two soil samples were analyzed for VOCs and SVOCs. One sample indicated 3 SVOCs slightly above TAGM 4046.

The spill case is closed.

Sangesland spoke to Doug Shrimpf. There was NO SPILL. This was a line test failure on the suction & return line. On 12/3/2009 th[illegible] will begin isolating the lines and the tank and retest everything independently to find the problem. Based on the design, [illegible]hing did leak, it would flow back into the tank.

12/8/2009 Sangesland spoke to Mr. Chandra Sudarshan with URS Corp who was "on site" at the hospital. Double walled line associated with day tank on an emergency generator at building #2 failed. There was a failure in the primary line which cause petroleum to flow to the secondary containment. There was also a failure in the secondary containment in a different location which allowed groundwater to leak into the secondary containment. Approx 25 gal of oil/water mixture was pumped out of the secondary containment area. The primary line was repaired and the secondary line is in the process of being repaired. Soil samples were taken along the length of the secondary line and do not appear to be contaminated.

TTF letter sent to:
Mr. Chandra Sudarshan
URS Corp. via FAX 718–221–7666

01/13/10. J. Krimgold spoke to Mr. Chandra Sudurshan a consultant for the PR. Some contaminated soil was found during pipe excavation and repair. He expects that report will be submitted to DEC by Feb. 5th.

Map Identification Number 57 **155 EAST 51ST STREET**
155 EAST 51ST STREET

Spill Number: 9709918 **Close Date: 11/26/1997**
BROOKLYN, NY TT–Id: 520A–0042–055

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 638 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Responsible Party
Caller Name: MARK SALAMACK
DEC Investigator: KGHALE

Spiller: UNK OIL COMPANY
Notifier Name: MARK SALAMACK
Caller Agency: ABC TANK
Contact for more spill info: JOE ST.ROSE

Spiller Phone:
Notifier Phone: (718) 272-2800
Caller Phone: (718) 272-2800
Contact Person Phone: (718) 783-5070

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 - 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
11/25/1997		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SEWER

Remarks:

CALLER CONTACTED FOR CLEANUP. 1 GALLON SPILLED TO GROUND AND STORM DRAIN BY COMPANY THAT FILLS TANK. UNK. NAME OF COMPANY.

DEC Investigator Remarks:

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

Map Identification Number 58 **RESIDENCE**
155 EAST 51ST STREET
BROOKLYN, NY

Spill Number: 9709909 **Close Date: 11/25/1997**
TT-Id: 520A-0042-054

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 638 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: JANET MORALES
DEC Investigator: KSTANG

Spiller: UNKNOWN
Notifier Name: FIRE DEPT
Caller Agency: DEP
Contact for more spill info: OPERATOR 368

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 595-6777
Contact Person Phone: (718) 965-8261

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
11/25/1997		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

called in by fire dept unknown cause at this time – spill in sewer req callback asap

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
CALLED F.D. DISPATCHER SAID THAT THE OIL IS IN THE SEWER OUTSIDE OF THE HOUSE REFER TO IWCS & HAZMAT TO RESPOND.

Map Identification Number 59 **MANHOLE 21673**
888-890 E NY AVE
BROOKLYN, NY

Spill Number: 9911635 **Close Date: 03/04/2002**
TT-Id: 520A-0044-060

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 705 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: 888-890 EAST NEW YORK AVE
Revised zip code: 11203

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: STEVEN CRIBBIN
DEC Investigator: COMENALE

Spiller: UNKNOWN
Notifier Name:
Caller Agency: CON ED
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 580-8576
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
01/06/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

caller reports 1 gallon unk on 700 gallons water. con ed#129516.

sample taken cleaup pending results.

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

Map Identification Number 60 **KELLER RESIDENCE**
866 E. NEW YORK AVE
BROOKLYN, NY

Spill Number: 0702029 **Close Date: 05/22/2007**
TT-Id: 520A-0049-345

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 706 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

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

Spiller: AVI KELLER - KELLER RESIDENCE
Notifier Name:
Caller Agency:
Contact for more spill info: AVI KELLER

Spiller Phone: (917) 225-5296
Notifier Phone:
Caller Phone:
Contact Person Phone: (917) 225-5296

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
05/18/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	3.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

TANK IS LOCATED IN BASEMENT UNDER STAIRCASE (FRONT): CUSTOMER HAS BEEN ADVISED BY MADISON OIL OF TANK STATUS: TANK SHOULD BE REMOVED AND REPLACED, AND CLEANUP COMPLETED:

DUE TO RELEGIOUS BELIEFS WILL NOT BE AVAILABLE BY PHONE UNTIL AFTER SUNDOWN ON 5/19/2007

DEC Investigator Remarks:

5/21/07 – Raphael Ketani. I contacted Avi Keller (917) 225-5296 regarding the cleanup. He said that he was switching to gas and Keyspan was going to do the cleanup and remove the tank.

5/22/07 – Raphael Ketani. I contacted Mr. Keller again. He said that his wife met the Keyspan workers at home and that they were there doing the cleanup. He invited me to inspect the home. I declined and took his word that the cleanup was taking place.

I contacted KeySpan Marketing at (718) 643-4050 to verify that the work was actually ordered. The person I talked to said that the person is Avi Keller at 886 East NY Avenue and that the work has been ordered to begin.

Based upon my conversation with Mr. Keller and Keyspan that the work is being done, I am closing the case.

Map Identification Number 61 **MANHOLE 59318**
IFO 854 E NY AVE
BROOKLYN, NY
Spill Number: 9910922 **Close Date: 07/10/2003**
TT-Id: 520A-0044-058

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 768 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: IFO 854 E NEW YORK AVE
Revised zip code: 11203

e of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: BILL MURPHY
DEC Investigator: CAENGELH
Spiller: UNKNOWN
Notifier Name:
Caller Agency: CON EDISON
Contact for more spill info: CALLER
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
12/14/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

caller reports 1 qt unknown in manhole. sample taken cleanup pending test results. con ed#129297.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
e2mis 129297

m.edwards #09397 trouble man #9 responding to a 21 found in mh59318 approx 1 quart of an unknown oil. hole is dry appears contained no sewers or waterways

affected. sample taken & stop tag placed. cleanup pending test results. no parking noon to 130pm tues & fri. #12255 vdc.

12/15/99 04:15 hrs – PCB Results: Lab Seq # 99–12834, <1.0 ppm.

1/4/00––1030HRS––s.makish field rep.reports #9 hung d–fault #346 ,oil leaking from cable and duct,on feeder 3b89 ,waiting for feeder to come off system,

Update / 1/6/00 2300hrs – As per K. Kavanagh, OS, Env. Ops, clean up being done during 11–7 shift 1/7/00. New oil sample not needed since sample taken on 12/14/99 since oil coming thru cable/duct is the same as previously reported as per K. Kavanagh.

update 1./7/00 K.Hufford of Environmental Operations reports cleanup completed and tag #22927 removed at 0330hrs..–––
note:Environmental operations to

to cement sump. d.herbst 27461

UPDATE: 1/8/00 – 1500

D. BANKHEAD – 64999 – ENV. OPS., REPORTS SUMP CEMENTED. TJ –

NOTE: LEAKING CABLE REPLACED. NO OIL ENTERED SUMP. STRUCTURE CLEANED BY DOUBLE WASHING SPOT WITH SLIX. WASTE MATTER

REMOVED WITH VACTOR. INCIDENT IS CLOSED. TJ – 50495

Map Identification Number 62 **TROY AVE & WINTHROP ST**
RWY–TROY AV & WINTHROP ST
BROOKLYN, NY

Spill Number: 9406809

Close Date: 08/19/1994
TT–Id: 520A–0042–801

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 802 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: TROY AVE./ WINTHROP ST.
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: ANNIE RICHARDSON
DEC Investigator: KSTANG

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

Spiller Phone:
Notifier Phone:
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
08/19/1994	08/19/1994	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

Remarks:

HAZMAT WAS NOTIFIED-CALLED DEP, SPOKE TO COSMOS, HE WILL CALL BACKIF DEC NEEDS TO ASSIST.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
10/10/95: This is additional information about material spilled from the translation of the old spill file: SLICK.

Map Identification Number 63 **MANHOLE #32500**
REMSEN AV @ E 51ST
BROOKLYN, NY

Spill Number: 0201114 **Close Date: 03/17/2005**
TT-Id: 520A-0042-651

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 804 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: REMSEN AV / E 51ST ST
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: RICHARD ROACHE
DEC Investigator: JHOCONNE

Spiller: UNK
Notifier Name: DOMINIC TOJERIA
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone: (212) 580-6766
Caller Phone: (212) 580-6766
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
04/29/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

2 GLS ON 400 GLS OF WATER. CON ED #142566.

DEC Investigator Remarks:

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

E2mis no. 142-566:

·02 2040 HRS H. LERNER # 33490 MECH "A" FOD DEPT REPORTS HE FOUND IN MH32500 E/S REMSEN AVE 60' S/O E. 51 ST APPROX 2 GALLONS UNKNOWN OIL ON 400 GALLONS WATER. THERE IS 3C PAPER CABLE AND A JOINT REGULATOR IN STRUCTURE. HE DOES NOT SEE A SUMP OR SEWER CONNECTION AT THIS TIME. NO SEWERS OR WATERWAYS AFFECTED. HE TOOK A LIQUID SAMPLE.

LAB RESULT RECEIVED 4/30/02 - 0254. 02-03660. 1677 PPM PCB.

UPDATE: 4/30/02 - 0500 J. DEKANCHUK ~ O.S. ~ ENV. OPS., REPORTS FINDING APPROX 40' OF OIL SOAKED ASBESTOS ARC PROOFING IN THE STRUCTURE.

4/30/02=1600HRS J.MIDDLETON ENVIR OPPS REPORTS FOUND EARTHEN SUMP

4/30/02=BANKHEAD ENVIR OPPS REPORTS DOUBLE WASHED STRUCTURE USING BIO GEN 760. ALSO DUG UP SUMP AND CEMENTED. TOOK SAMPLE. PENDING TEST RESULTS & ABATEMENT. ENVIR TAG REMAINS.

5/1/02=2030HRS LAB RESULTS RETURNED FOR SUMP PUMP 2 PPM.

UPDATE********** 13:40HRS A. WALKER (ENV OPS) REPORTS, CREW STEAMED WALLS OF HOLE AND REMOVED 50 GALLONS OF LIQUID. NEED TO GO BACK AND SODA BLAST HOLE.

UPDATE @ 1115 HRS 5/15 JK.DEKANCHUK REPORTS FINDING 25' OF OIL SOAKED ASBESTOS ARC PROOFING REMOVED FROM A PREVIOUSLY REPORTED 40' 15' OF ARC PROOFING REMAINS NO CREWS AVAILABLE TO COMPLETE REMOVAL.

UPDATE: 5/15/02 - 1445 J. DEKANCHUK - O.S. - ENV. OPS., REPORTS MH STEAM CLEANED & SODA BLASTED. LIQUID WASTE REMOVED BY ASTORIA TANKER. WIPE SAMPLES TO BE TAKEN AFTER THE REMOVAL OF 15' OF OIL SOAKED ASBESTOS ARC PROOFING. TAG REMAINS.

NEW EPA # ISSUED 8/21/02 – 0940. NYP 004 101 739.

NEW EPA # ISSUED 1/28/03 – 0900. NYP 004 106 712.

UPDATE 1–28–03 1950 HRS E. RASA OS UG REPORTS UG REMOVED 20' OF OIL SOAK ASBESTOS ARC–PROOFING FROM STRUCTURE. FLUSH CREW ON LOCATION TO CONTINUE CLEANUP.

UPDATE 29–JAN–2003 02:55 HRS. ENVIR. OPER. OPER.SUPV. E.WILLIAMS EMP# 56346 REPORTS: STRUCTURE WAS DBL. WASHED WITH BIO–GEN 760 & SODA BLASTED. REMOVED 2 BARELLS 1 OF DEBRIS, ZONE MATERIAL & PPE.AND 1 OF ASBESTOS ARK PROOFING. CHEMIST REQUESTED TO TAKE GRID SAMPLES IN AM.

UPDATE 2/2/03 1625 HRS SAMPLE RESULTS RECEIVED LAB SEQ 03–00821–001 TO 21
17 OF 21 PASSED ....

THESE PASSED	THESE (4) FAILED
#1– 5 ug/100cm	# 3 – 19 ug/100cm
#2– <1 # 13 – <1	# 5 – 12 ug/100cm
#4–<1 # 14 – 3	# 11 – 28 ug/100cm
#6– 3 # 15 – <1	# 18 – 12 ug/100cm
5 ug/100cm	
I # 16 – 4	
#8–<1 # 17 – <1	
#9– 6 # 19 – 7	
#10– <1 # 20 – 4	
# 21 – 1	

2/6/03=2130HRS G.WILLIAMS O.S. ENVIR OPPS REPORTS STRUCTURE WAS SODA BLASTED DOULBED WASHED WITH BIO–GEN 760. 4–WIPE SAMPLES TAKEN FROM CHEM LAB. TAG REMAINS PENDING WIPE RESULTS.

Update – 2/9/03 – Wipe sample results received (lab sequence # 03–01116–001 thru 03–01116–004)
Test point # 3 – < 1.0 ug/100cm^2
Test point # 5 – < 1.0 ug/100cm^2
Test point # 11 – < 1.0 ug/100cm^2
Test point # 18 – < 1.0 ug/100 cm^2

The four wpes that required resampling have now passed, environmental stop tag can be removed and incident closed.

UPDATE 2–11–03 0900 HRS J. CUADRADO MECH "A" FLUSH DEPT REPORTS HE INSPECTED STRUCTURE AND FOUND CLEANUP COMPLETED (NO SIGNS OF OIL OR LIQUIDS). STRUCTURE PASSED WIPE SAMPLE AND HE REMOVED E.S.TAG # 30434.

UPDATE 1/16/04 11:30 HRS THE LEAKING WIPE OF THE JOINT WAS REPAIRED ON 4/30/02.

Map Identification Number 64 **217591; 69 REMSEN AVE**
69 REMSEN AVE BROOKLYN, NY **Spill Number: 0914320** **Close Date: 09/26/2009**
TT-Id: 520A-0248-346

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 893 feet to the NE

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: 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
07/17/2009		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	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 65 **MANHOLE 65792**
EAST NY /AVE REMSEN AVE BROOKLYN, NY **Spill Number: 0913581** **Close Date: 04/22/2010**
TT-Id: 520A-0249-151

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 941 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: E NEW YORK AVE / REMSEN AVE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name:
DEC Investigator: RWAUSTIN

Spiller: ERT - CON ED
Notifier Name:
Caller Agency:
Contact for more spill info: ERT

Spiller Phone:
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:	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
03/24/2010		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
OTHER	OTHER	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

approx 1 pint unk oil in 15 gallons of water, clean up pending analysis no to 5 questions.

DEC Investigator Remarks:

220777
03/24/10– Zhune spoke to Antonio Delgado from ERT. He said while cleaning the manhole they found soil in the bottom of the manhole. Aproximatelly 1 pint of oil hit the soil. They will remove the soil and put cement.

4/22/10 – Austin – Unidentifiable oil – spill contained and cleaned up by Con Ed – see eDocs for more details – Spill closed – end

Map Identification Number 66 **MANHOLE # 32500**
REMSEN AVE/ EAST NY AVE
BROOKLYN, NY

Spill Number: 0509055 **Close Date: 11/21/2005**
TT-Id: 520A-0050-057

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 941 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: REMSEN AVE / E NEW YORK AVE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: TOM MARCINEK
DEC Investigator: GDBREEN

Spiller: ERT DESK – CON EDISON
Notifier Name: TOM MARCINEK
Caller Agency: CON EDISON
Contact for more spill info: ERT DESK

Spiller Phone: (212) 580-8383
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-8383

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
10/28/2005		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:

NO TO 5 QUESTIONS: EARTHERN SUMP IN STRUCTURE: CONED # 161694

DEC Investigator Remarks:

161694. 10/28/05 – 1130hrs – Joe Catalano # 60894 Field Operator, FOD, reports while on location doing scheduled fdr work (Fdr 4B13) using account # 44552 found
1 pt unknown oil on concrete floor of MH32500. No fire/smoke involved. No sewers or waterways affected. No private property
ed. Sample taken by wiping up oil with diaper and placing in jar – chain of custody #DD11640 – E priority. Env. stop tag #
placed. Catalano states there is an earthen sump in structure which is not affected by this oil. This incident does not qualify for 72 hr program. Clean up pending test results. cn#19661.

Closed. 11-19-05. see eDocs. GB

Map Identification Number 67 **MH 1046**
887 EAST NEW YORK AVE
BROOKLYN, NY

Spill Number: 0102058 **Close Date: 06/19/2001**
TT-Id: 520A-0049-343

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 947 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: JIMMY FOX
DEC Investigator: KMFOLEY

Spiller: UNKNOWN
Notifier Name: MS NEVILE
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone:
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
05/22/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

no sewer or water 137235

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
CON ED E2MIS REPORT 5-22-01

unknown oil found on 1,000gals. of water in Tm 1046. Spill appears to be contained with no environmental impact.
cal records indicate 10ppm(6-01-73) TM will be pressure tested when water is pumped down.

Test results received @<1ppm PCB

5-23-01 0910hrs.

Unit pressure tested and held.

1250hrs.

Due to the amount of work to be done, cleanup will not be completed under the 24hr. program. Changed incident type to unknown and advised CIG J.J. Fox.

18:30hrs.

Structure double washed with slicks, tag removed. Sump found cemented in structure. Cleanup complete 100%

Map Identification Number 68 **MH2573**
887 EAST NEW YORK AVE BROOKLYN, NY **Spill Number: 0102057** **Close Date: 06/19/2001**
TT-Id: 520A-0049-342

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 947 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: JIMMY FOX
DEC Investigator: KMFOLEY

Spiller: UNKNOWN
Notifier Name: MS NEVILE
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone:
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
05/22/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

24 hr spill no sewer or water 137234

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
CON ED E2MIS REPORT 5-22-01

Found 1qt. of unknown oilon 1,000gals. of water in TM2573. Spill appears contained. 1 liquid sample taken. Historical records indicate oil to be 10ppm(10-01-54) TM will be pressure tested when water is pumped down, cleanup pending test results.

Test results received @<1ppm PCB

Due to amount of work to be done,cleanup completed under 24hrs. Changed incident to unknown. Cleanup is still in progress at this time.

5-23-01 1340hrs.

Cleanup completed in TM. >50 tanker removed 1000gals.of water, structure double washed with Bio Gen 760. Crew found a previously cemented sump. Found a clogged drained drain and cemented same to seal. Removed tag.

Map Identification Number 69 **VS6364**
EAST SIDE AVE
BROOKLYN, NY
Spill Number: 0409590 **Close Date: 01/07/2005**
TT-Id: 520A-0238-000

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 948 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NEW YORK AVE 270FT E OF TROY AVE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: PAUL DINONATO
DEC Investigator: JHOCONNE
Spiller: UNK
Notifier Name: BORCHERDING
Caller Agency: CON ED
Contact for more spill info: ERT DESK
Spiller Phone:
Notifier Phone: (212) 580-6763
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.
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		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	8.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

270 feet east of troy avenue. all contained to vault. cleanup pending. ref # 156387

DEC Investigator Remarks:

e2mis no. 156387:

27-NOV-2004 1040HRS EQUIPMENT GROUP WHILE ON LOCATION TO DO A VISUAL INSPECTION, ON VS6364,
REPORTS FINDING APPX 8 GALS. OF UNKNOWN OIL MIXED WITH SOIL IN THE STRUCTURE. NO SEWERS, WATERWAYS AFFECTED, SPILL APPEARS TO BE CONTAINED TO THE STRUCTURE. UPON FURTHER INVESTIGATION MR. MC CANN REPORTS THE UNIT AS SHOWING BELOW MIN ON THE INDICATOR. ENVIRONMENTAL TAG NO. 35570 WAS PLACED IN THE STRUCTURE, SAMPLING IS PENDING DENERGIZATION OF FEEDER 3B89, AND THE UNIT ALLOWING SAFE ENTRY. CREW REMAINS ON LOCATION AT THIS TIME.

UPDATE 27-NOV-2004 1355
MR. MC CANN, EMPLOYEE NO 34144 , REPORTS UNIT WAS GROUNDED, PRESSURE TESTED, FAILED TEST. UNIT 3" BELOW MIN. INDICATING A LOSS OF 15 GALS OF OIL FROM THE UNIT. SAMPLES WERE TAKEN, ONE FOR OIL ID & ONE FOR PCB.

Lab Sequence Number: 04-09848-001 - TOTAL PCB 3 ppm

UPDATE: 27-NOV-2004 2100HRS J MCCANN # 34144 DRAINED UNIT AT THIS TIME REMOVED 240 GALLONS OIL.

UPDATE: 27-NOV-2004 2155HRS LUGO REPORTS DOUBLE WASHED STRUCTURE 100% REMOVED ALL DEBRIS AND LIQUID. NEED TO GET MORE CEMENT TO CEMENT SUMP. WILL LEAVE TAG IN PLACE AND COMPLETE ON MIDNIGHT SHIFT.

UPDATE:28-NOV-2004 00:10 GLODOWSKI REPORTS SEALED SUMP WITH CEMENT TAG LEFT IN PLACE PENDIN REMOVAL OF UNIT.

UPDATE: 11/29/04 - 1500
J. HOWE - ENV. OPS., REPORTS TRANSFORMER REMOVED BY BQE. STRUCTURE DOUBLE WASHED WITH BULLDOG. SUMP CLEANED & CEMENTED. TAG # 35570 REMOVED.

dentification Number 70 **455 SCHENECTADY AVE** **Spill Number: 8909263** **Close Date: 06/07/1995**
455 SCHENECTADY AVE BROOKLYN, NY TT-Id: 520A-0048-074

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 966 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	UNK	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:	VAL MACARI	Caller Agency:	PETRO TANK CLEANING	Caller Phone:	(718) 624-4842
DEC Investigator:	SIGONA	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
12/21/1989	06/07/1995	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	6.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

FUEL EJECTED FROM VENT – CONTAMINATED PRODUCT REMOVED W/VACUUM

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

Map Identification Number 71 **VACANT LOT**
801–817 EAST NEW YORK AVE BROOKLYN, NY **Spill Number: 0812258** **Close Date: 02/13/2009**
TT–Id: 520A–0226–092

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 978 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name:
Investigator: RMPIPER
Spiller: UNKNOWN
Notifier Name:
Caller Agency:
Contact for more spill info: GREG MENIGO
Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (631) 580–3191

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
02/10/2009		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 THEY DID A PHASE 2 AND FOUND CONTAMINATED SOIL. CLEAN UP STATUS IS UNK.

DEC Investigator Remarks:

there were exceedances of the NYSDEC
Recommended Soil Cleanup Objectives (TAGM 4046) for PAHs in 4 of the 5
samples obtained around the tank, and PAHs in the surface soil sample
obtained from SB–2.

There are also exceedances for metals in the SB-1 and SB-2 samples, including chromium (up to 12.8ppm compared to RSCO 10 ppm), copper (at 47.8ppm compared to RSCO 25ppm), iron (up to 13,500ppm compared to RSCO 2,000ppm), nickel (up to 26.4ppm compared to RSCO 13ppm), and zinc (up to 82ppm compared to RSCO 20ppm).
The property is presently vacant, and it was a former auto repair shop. The proposed redevelopment is for residential apartment use, although there will be very limited "garden" areas.
Construction to begin 11/2009 Where we have cellar about 10-11 feet. slab on grade foundation walls go down about 4.5 feet.

the plans for the new building contain a vapor barrier.

Based on work to date and future plans, nfa is granted. Closed.

Map Identification Number 72 **BOX 23494** 840 LEFFITZ AVE BROOKLYN, NY **Spill Number: 0001243** **Close Date: 09/20/2001** TT-Id: 520A-0043-253

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 995 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: 840 LEFFERTS AVE
Revised zip code: 11203

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

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

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
05/01/2000		OTHER	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 on 10 gals water in service box

cleanup pending labs

131140

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con Ed e2mis #131140 Notes:

5-1-00 1qt unknown oil on 10gal water in service box. Sample returned <1ppm PCB. Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. No sump.

Identification Number 73 **SPILL NUMBER 0312418**
114 EAST 53RD ST
BROOKLYN, NY

Spill Number: 0312418 **Close Date: 02/17/2004**
TT-Id: 520A-0040-475

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1069 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Fire Department
Caller Name: FF MORRIS
DEC Investigator: TJDEMEO

Spiller: UNKNOWN
Notifier Name: FF MORRIS
Caller Agency: NY CITY HAZMAT TEAM
Contact for more spill info: FF MORRIS

Spiller Phone:
Notifier Phone:
Caller Phone: (347) 539-0559
Contact Person Phone: (347) 539-0559

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
02/07/2004		UNKNOWN	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:

100 GAL of #2 heating fuel.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
2/9/04 tjd

Pressure gauge on boiler failed releasing approximately 100 gallons of #2 Fuel Oil onto the boiler room floor. FDNY recovered most of the product, pumping material into (2) drums for disposal. DeMeo performed site inspection. At time of the Inspection, Mr. Mark Green (Susan Ann Associates) was washing boiler room floor with water. This washing process caused an additional several hundred gallons of water to become contaminated with the residual petroleum. Mr. Green was directed to stop his floor wash and retain the services of an environmental contractor to pump contaminated liquids and dispose of same under manifest. Mr. Green was further directed not to discharge the liquids via sump pump to the NYC sewer system. DEP was notified of impacts to sewer.

No PBS registration was available at time of initial inspection. Database search reveals an active registration (2-605158) for property. An unreported spill of less than 5 gallons was found inside the tank room, appears to be a leak from the manway [illegible].

2/17/04 TJD

RP sent disposal manifest for removal of 300 gallons of oil contaminated water. ABC Tank Cleaners performed the work. No further action required. Spill closed.

Map Identification Number 74 **TM1598**
E 53RD ST/WINTHROP ST BROOKLYN, NY **Spill Number: 0007589** **Close Date: 11/28/2001**
TT-Id: 520A-0038-763

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1090 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: MARK SCHLAGEL
DEC Investigator: JHOCONNE

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

Spiller Phone:
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
09/28/2000		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:

2 OUNCES ON 2GAL OF WATER - SAMPLE TAKEN - CONTAINED - CASE #133655

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con Ed e2mis #133655 Notes:

[illegible]00 Upon flushing MH 45974, Env Ops noticed oil and vactored it up. 2oz unknown oil on dirt and a few gallons of water. [illegible]ds show 10ppm. Truck #60563 was contaminated. Will continue cleanup and wil bring truck to yard to barricade until sample results return. Pressure tested and held pressure.

9-29-00 Sample returned <1ppm PCB.

10-25-00 Cleanup completed by double washing with slix. Waste product was removed using coagulant, diapers, and vactor. No leaking equipment.

Map Identification Number 75 **MH 63395**
UTICA AVE AND EMPIRE BLVD
BROOKLYN, NY

Spill Number: 0310084 **Close Date: 08/18/2009**
TT-Id: 520A-0039-129

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1122 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: UTICA AVE / EMPIRE BLVD
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: ANDREW MORRIS
DEC Investigator: JMKRIMGO

Spiller:
Notifier Name: NEVILLE
Caller Agency: CON ED
Contact for more spill info: MR. DAVIDE DUKE

Spiller Phone:
Notifier Phone:
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
11/26/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	1.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

1 pint of unknow oil into a manhole. manhole number 63395. material is currently being cleaned up.

DEC Investigator Remarks:

09 – See eDocs for Con Ed report detailing cleanup and closure.

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
E2MIS NO. 151-289:

APPROX 1 PINT OF AN UNKNOWN OIL ON 10 GALLONS OF STANDING WATER IN MH-63395. LIQUID SAMPLE TAKEN.

UPDATE 1552 HRS 11/26 LAB SEQ 03-09556-001 PCB @ 69 PPM.

UPDATE 11-27-03 16:00HRS

employees were assigned to clean MH – 63395. All liquids and some debris were removed. There was a puddle of oil next to a 3c 500 straight joint; #9 crew came in and determined that tubing was cracked at the connection to the joint – D-faulted the structure. Damaged feeder is 4B05.

Map Identification Number 76 **IFO RESIDENCE**
684 MAPLE STREET
BROOKLYN, NY

Spill Number: 1203104 **Close Date: 09/24/2012**
TT-Id: 520A-0275-719

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1144 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Other
Caller Name:
DEC Investigator: SMSANGES

Spiller: UNKNOWN
Notifier Name:
Caller Agency:
Contact for more spill info: VICTOR GRESSEAU

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (917) 769-4005

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
06/28/2012		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
AUTO WASTE FLUIDS	PETROLEUM	55.00	GALLONS	0.00	GALLONS	
MOTOR OIL	PETROLEUM	165.00	GALLONS	0.00	GALLONS	
[illegible]REEZE	OTHER	110.00	GALLONS	0.00	GALLONS	

Caller Remarks:

6 55 gallon drums in white van - no leaks - abandoned in vehicle at address - DLE will also be notified

second call from scene advising that oil leaked outside vehicle

DEC Investigator Remarks:

Sangesland got a call from a Haitian man (very little English) who owns the van. He would not give his name or number. He said the van does NOT have a licence plate, but he did park it on the street. Police came on 6/28 and "booted" the van so he can not move it. The DEC spill number was written on the windshield with the spills 800 number. Man was yelling at Sangesland to remove the boot and said the drums were not leaking.

07/06/12-Hiralkumar Patel. discussed with DEC Austin and ECO Maneeley. ECO Maneeley investigated this matter. as per Victor (DEP Hazmat), the van was parked in front of a councilman's house. DEP Hazmat responded intially. they entered into the van to sample product from the drums in the van. during sampling, oil spilled onto side of the street. ECO Maneeley confirmed that there was no spill inside the van. drums contained hydraulic oil, antifreeze and lube oil. as drums inside the van were not leaking and oil spilled during sampling by DEP Hazmat, ECO Maneeley has asked DEP Hazmat to cleanup the spill.

Map Identification Number 77 **MANHOLE 2988**
SCHENECTADY & EMPIRE BLVD BROOKLYN, NY

Spill Number: 0201318 **Close Date: 04/21/2003**
TT-Id: 520A-0044-055

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1159 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: SCHENECTADY AV / EMPIRE BLVD
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: RICHARD ROACH
DEC Investigator: JHOCONNE

Spiller: UNKNOWN
Notifier Name:
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone:
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
05/06/2002		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	SEWER

Caller Remarks:

2qt's on 50 gallons water. con ed # 142660.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
E2mis no. 142-660:

5/6/02=0325HRS O.S BUCKENBERGER #71042 REPORTS FOUND APPROX 2-QUARTS OF DIELECTRIC FLUID THAT SPILLED FROM 1 CONDUCTER

JOINTS IN MH-2988 FEEDER 3B88 ONTO 50 GALLONS OF WATER. IT APPEARS TO BE CONTAINED AT THIS TIME. 1-SAMPLE TAKEN TAG #37013 PLACED.

5-6-02 0920 HRS CHEM LAB # 02-03891-001 16 PPM.

UPDATE 5-6-02 1030 HRS DUE TO D-FAULT # 23 IN STRUCTURE (UNSAFE TO DO CLEANUP UNTIL D-FAULT IS REPAIRED OR IDENTIFIED). THIS INCIDENT WILL BE TAKEN OFF THE 24 HRS DEMINIMIS PROGRAM.

UPDATE: 5/14/02 - 1530

W. TUDY - 74933 - ENV. OPS., REPORTS 16 PPM CLEANUP COMPLETED BY DOUBLE WASHING STRUCTURE WITH SLIX. LIQUID WASTE REMOVED BY TANKER. SOLID WASTE REMOVED BY VACTOR. NO SUMP. D FAULT TAG STILL HUNG, BUT NO LEAKS FOUND. TAG # 37013 REMOVED. TJ -

Map Identification Number 78 **SPILL NUMBER 0200846**
97 EAST 91ST ST
BROOKLYN, NY

Spill Number: 0200846 **Close Date: 11/14/2003**
TT-Id: 520A-0040-187

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1186 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Affected Persons
Caller Name: SILVIA HEWITT
DEC Investigator: JXZHAO

Spiller: UNKNOWN
Notifier Name: SAME
Caller Agency:
Contact for more spill info: SILVIA HEWETT

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 756-5850
Contact Person Phone: (718) 756-5850

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
04/19/2002		UNKNOWN	NO	NO

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

Caller Remarks:

believes that a neighbor spilled gas in the house...fumes are getting into her house. rec call back.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHAO"
4/22/2002 - Zhao and Sangesland responded off hours to site. It's in a residential area with concrete floor in the basement. Vapor was found within last two days. Owner has a gas heat system. Union Gas Company went to site and found which is gasoline vapor. It caused by about one gallon spill next door in the garage area. Lite smell was found in the basement only. The DEC has given direction to the owner to isolate basement and keep basement door and windows open for vantilation purpose. If condition does not change within next few days, owner should call back to DEC for further investigation.

5/23/2002 – The owner did not call back so far.

Map Identification Number 79 **GASETERIA**
756 UTICA AVENUE
BROOKLYN, NY
Spill Number: 9312950 **Close Date: 05/07/2012**
TT-Id: 520A-0041-382

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1292 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
Notifier Type: DEC
Caller Name: REINAULD WILSON
DEC Investigator: aaobliga

Spiller: GASETERIA – GEORGE ESAYAN
Notifier Name:
Caller Agency: NYS DEC
Contact for more spill info:

Spiller Phone: (718) 361-8811
Notifier Phone:
Caller Phone: (718) 776-6080
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.
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
08/17/1993		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

Caller Remarks:

DISCOVERED AS RESULT OF ONGOING INSPECTION OF GASETERIA STATIONS. (SULLIVAN)

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
JMR 12/26/95 site inspection: Contaminated soil in all three stick boxes. Ten extra vent lines noted at property.

01/07/04

Reassigned from Rommel to Vought

9/26/05-Obligado-transferred from Vought to Obligado

12/5/05 – Obligado – Call from Steve Muller. Well installations scheduled for 12/16/05. Requests DEC help in obtaining expedited permits.

12/6/05 – Obligado – File Review:

DEC PBS Inspection Report, 12/26/95 – PBS No. 2–191248 – Contaminated soil found in all 3 stick lines. Could not open fills. 10 extra vent lines found at the site. Checklist – No overfill equipmnet used, no tightness testing, Apparent product loosses exceed 0.75% of tank volume.

DEC PBS Inspection Report, 8/7/97 – GOC owns property and strip stores. Dispensers 1 and 2 drained slowly when bottom valve was opened. Dispensers 7 and 8 drained quickly when bottom valve was pushed aside. USTs encased in concrete. Checklist – Apparent gains/losses exceed 0.75%, overfill protection not used, no leak monitoring system, no corrosion protection.

Gaseteria Letter, 12/27/99 – All three gasoline tanks pass tightness test.

12/6/05 – Obligado – Call Steve Muller to inquire about sidewalk well locations. Leave message.

8/4/09 – Obligado – Reviewed Ground Water Investigation Work Plan, received 5/28/09. The soil and gw sampling plan was unclear [illegible] didn't propose investigating dispenser area. Sent disapproval comment email and required resubmittal within 30 days.

10/14/09 – Obligado – Reviewed work plan again. Disapproved it again because it didn't propose to investigate former 3 4000 gallon gasoline USTs. Sent email disapproval letter and requried resubmittal within 15 days.

11/13/09 – Obligado – Reviewed a revised work plan submitted by JP Broderick and Associates. The plan proposes to install 5 monitoring wells at the site. The plan is acceptable and approved. Sent approval letter. The Remedial Investigation Reprot will be due within 60 days.

4/26/10 – Obligado – I completed my review of the Site Characterization Report. 4 monitoring wells were installed at the site. 2 of the 4 wells had soil and gw impacts above SCOs and TOGS. Ground water gradient is to the south. The southern most well had the greatest contamination so additional delineation is required downgradient. I sent a letter via email to Steve Muller with cc to Gaseteria requiring additional delineation and submission of a investigation work plan within 30 days.

5/27/10 – Obligado – I reviewed the Investigation work plan for additional delineation. 2 monitoring wells are proposed in the sidewalk downgradient. According to the plan, sidewalk opening permits will be obtained and utilities will be marked out. Soil and ground water samples will be collected from the 2 locations. A RIR report will be submitted within 90 days. I sent an email approval for the work plan to Steve Muller with CC to Gaseteria.

3/28/11 – Obligado – I reviewed the RIR report, submited 2/14/11. 2 additional wells were installed. Both wells were ND for BTEX and Groundwater in the offsite down gradient wells. ground water contamination appears to be delineated. Impacts are limited to MW4 with 1,680 total BTEX. Total VOCs is 4,590 ug/L in MW4. The report recommends continued monitoring.

10/18/11 – Obligado – Received 3Q11 update report. Total BTEX 404 ug/L in MW4. All other wells BTEX below standards. Total VOCs 2,014 ug/L in MW4.

3/20/12 – Obligado – Received 4Q11 report. Total BTEX 132 ug/L in MW4. All other wells ND for BTEX. Total VOCs 813 ug/L in MW4.

3/21/12 – Obligado – DEC met with Gaseteria, JCB, Reliant. Based on decreasing trends, Gaseteria will submit a petition for closure for this site.

5/7/12 – Obligado – DER Section C Staff met to discuss a closure request for 756 Utica Avenue, Brooklyn, NY Spill No. 9312950. After internal discussion, the request for spill closure approved based on the following:

1) All soil samples from 6 monitoring well installation locations were below the CP–51 Soil Clean–up Levels for gasoline and fuel oil contaminated soils.
2) The maximum total BTEX was 132 ppb in MW4. All other wells ND for BTEX.
3) Eight quarters of ground water monitoring show a decreasing trend, demonstrating that the plume is attenuating naturally.
4) BTEX concentrations were non–detect in the 2 down gradient monitoring wells located in the sidewalk immediately adjacent to the site.
5) Petroleum compounds in soil and ground water are primarily heavier end VOCs, such as 1,2,4 trimethiybenzene which is indicative of older release. No benzene or toluene is present in soil or groundwater which suggests there is no significant new or continuing source.

Spill is closed. Spill closure letter sent to Gaseteria, cc to Reliant and JCB.

Map Identification Number 80 **TM762**
TROY AVE/LEFFERTS AVE BROOKLYN, NY **Spill Number: 9811625** **Close Date: 02/19/2003**
TT–Id: 520A–0039–569

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1315 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: ERNIE ROWLAND
DEC Investigator: JHOCONNE

Spiller: ERNIE ROWLAND – CON ED
Notifier Name: MR REIDY
Caller Agency: CON EDISON
Contact for more spill info: ERNIE ROWLAND

Spiller Phone: (212) 580–6763
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 – 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
12/15/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

2 gals in 500 gals water

cleanup pending samples – 121974

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
E2MIS 121974

15-DEC-1998 1746HRS HAGGERTY OS FROM UNDERGROUND #27885 REPORTS FOUND 2 GALLONS UNKNOWN OIL ON 500 GALLONS WATER. IN TM

762 THIS WAS DISCOVERED DURING ROUTINE WORK NO SEWERS OR WATERWAYS AFFECTED AND IT IS CONTAINED. SAMPLE WAS TAKEN

. ;AG # 21301 WAS PLACED. UNIT WAS NOT PRESSURED TESTED . WAITING FOR CALL BACK TO SEE IF HE HAS EQUIPT TO TEST.

15-DEC-1998 18:57 CIG NOTIFIED

UNIT WAS PRESSURE TESTED AND FOUND TO BE OK

update 12-16-98 0045 hrs chem lab results 98-13973 < 1 ppm laz

update 12-16-98 2355 hrs f.dellatorre flush reports cleanup completed with slix and e.s.tag 21301 was removed.

Map Identification Number 81 **TM # 762**
TROY AV & LEFFERTS AV
BROOKLYN, NY

Spill Number: 9810783

Close Date: 10/23/2002
TT-Id: 520A-0039-560

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1315 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: TROY AV / LEFFERTS AV
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: MIKE CESARE
DEC Investigator: JHOCONNE

Spiller: UNKNOWN
Notifier Name: MR ZAMBRIO
Caller Agency: CON EDISON
Contact for more spill info: MIKE CESARE

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
11/25/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

TRANSFORMER CHECK AND NOT LEAKING UNKNOWN WERE THE 4OZS OF OIL CAME FROM REF #121514 - TOOK A SAMPLE PENDING RESULTS CLEANUP WILL BEGIN

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis notes 121514

M. PANTALED #37922 OS UG REPORTS IN TM762 TROY AVE 156' N/O LEFFERTS AVE HE FOUND 4 OZ OF UNKNOWN OIL (WAS NOT LEAKING

FROM TRANSF IT WAS PRESSURE TESTED FOUND OK) ON 300 GAL OF WATER. HOLE CONTAINED AND NO SEWERS OR WATERWAYSm AFFECTED. SAMPLE TAKEN 4-6 HRS PRIORITY FOR CHEM LAB RESULTS, AND E.S.TAG #02692 WAS PLACED. FOUND OIL WHILE WORKING ON AND ISOL FDR WORK. CIG CESARE NOTIFIED 1121 HRS LAZ #04425

UPDATE 11/26/98 2046HRS - PCB RESULTS <1.0 PPM LAB SEQUENCE # 98-13095 C. NEVILLE

UPDATE: 12/10/98 - 1600

J. LIPORI - 11179 - ENV. OPS., REPORTS <1.0 PPM CLEANUP COMPLETE WITH SLIX AND TAG #02692 REMOVED.

Map Identification Number 82 **MANHOLE #762**
TROY AVE/LEFFERTS AVE BROOKLYN, NY **Spill Number: 9810501** **Close Date: 10/31/2002**
TT-Id: 520A-0039-553

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1315 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: TONY CONSTANTINE
DEC Investigator: CAENGELH

Spiller: UNKNOWN
Notifier Name: TONY CONSTANTINE
Caller Agency: CON EDISON
Contact for more spill info: TONY CONSTANTINE

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
11/19/1998		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:

SPILL HAS BEEN CONTAINED IN THE MANHOLE-CON ED'S #121371

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
E2MIS NOTES 121371

11/19/98 1250HRS--PANTALEO U/G SUPV.REPORTS FOUND APPROX.1/2 PINT OIL ON 300 GALLONS OF WATER IN TM 762 ,CONTAINED NO SEWERS

OR WATERWAYS EFFECTED,SAMPLE TAKEN TAG#16066 PLACED----NOTE THIS IS NEW UNIT PRESSURE TESTED OK ------G DONATONE---------

LAB RESULT RECEIVED 11/19/98 - 2215. 98-12818. <1.0 PPM. TJ - 50459

UPDATE 11/23/98 2215HRS ===CLEAN UP COMPLETE WITH SLIX AS OF 2200HRS. CLEAN UP PERSON E. DAVIS #03732 STOP TAG #16066

REMOVED===C.NEVILLE - 19661

INCIDENT IS CLOSED. TJ - 50495

Map Identification Number 83 **950 MONTGOMERY ST**
950 MONTGOMERY AVE
BROOKLYN, NY

Spill Number: 9411226 **Close Date: 11/22/1994**
TT-Id: 520A-0049-340

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1349 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: 950 MONTGOMERY ST
Revised zip code: 11213

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name: FRANK O'DONNELL
DEC Investigator: SMMARTIN

Spiller: J. SINCLAIR-RES
Notifier Name:
Caller Agency: BAERENKLAU OIL
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (781) 647-4200
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

[illegible]ate	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/22/1994	11/22/1994	OTHER	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

ORDERED 400G.-SPILLED 340G. WILL CLEAN UP.

DEC Investigator Remarks:

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

Map Identification Number 84 **MANHOLE 43564**
UTICA AV / MONTGOMERY ST BROOKLYN, NY **Spill Number: 0004688** **Close Date: 10/22/2001**
TT-Id: 520A-0038-707

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1406 feet to the NNE

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: JHOCONNE

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

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
07/19/2000		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 PINT ON 300GAL OF WATER - CONTAINED - CASE #132457 - SAMPLE TAKEN

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con Ed e2mis Notes:

7/18/00 1 pint unknown oil on 300gal water in manhole.

7/19/00 Sample returned 66ppm PCB. 12' oil soaked arc proofing must be removed. Awaiting default.

7/20/00 There is a hole approx 2'X4' in floor. Waiting for default to be cleared to complete cleanup and take additional samples. Once cleaned will make repairs to floor.

7/22/00 Removed asbestos arc proofing. Manhole double washed with biogen 760. Liquids placed in tanker. Found concrete floor broken 6" square foot exposed dirt. Contaminated soil removed and 5 samples taken for analysis. 5 bags of gravel placed over dirt and 6 bags of concrete were mixed and placed over gravel.

Soil samples returned 4ppm(sump bottom) and 7ppm(sump wall).

Map Identification Number 85 **MANHOLE #43564**
UTICA AV & MONTGOMERY ST BROOKLYN, NY **Spill Number: 0002560** **Close Date: 09/24/2001**
TT-Id: 520A-0038-673

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1406 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: UTICA AV / MONTGOMERY ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: BILL MURPHY
DEC Investigator: JHOCONNE

Spiller: UNKNOWN
Notifier Name: MR WAYNWRIGHT
Caller Agency: CON EDISON
Contact for more spill info: BILL MURPHY

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.
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
05/31/2000		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:

1/2 GAL ON 400 GALS OF WATER REF #131643 - SAMPLE TAKEN CLEANUP PENDING TEST RESULTS

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con Ed e2mis #131643:

5-31-00 1/2gal unknown oil on 400gal water in manhole. Liquid sample taken returned 19ppm PCB.

6-5-00 Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No sump. No leaking equipment. Floor in structure is broken and will be turned into C&M for repairs.

Map Identification Number 86 **SPILL NUMBER 0403350**
647 MIDWOOD ST
BROOKLYN, NY
Spill Number: 0403350 **Close Date: 06/29/2004**
TT-Id: 520A-0048-065

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1406 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Citizen
Caller Name: JOHN KHANI
DEC Investigator: SMSANGES

Spiller: JOHN KHANI
Notifier Name: JOHN KHANI
Caller Agency: CITIZEN
Contact for more spill info: JOHN KHANI

Spiller Phone: (718) 454-1600
Notifier Phone: (718) 454-1600
Caller Phone: (718) 454-1600
Contact Person Phone: (718) 454-1600

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
06/28/2004		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
PAINT	OTHER	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

the next door neighbors are painting and it is contaminating the neighborhood. it is a residential neighborhood where they live.

DEC Investigator Remarks:

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

Map Identification Number 87 **A PINT OF HYDRAULIC FLUILD IN EACH**
REMSON AVE & WINTHROP STREET
OF TWO LOCATIONS ON THE STREET
BROOKLYN, NY
Spill Number: 0702512 **Close Date: 06/28/2007**
TT-Id: 520A-0050-822

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1480 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: REMSEN AVE / WINTHROP ST
Revised zip code: 11203

Source of Spill: COMMERCIAL VEHICLE
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
05/31/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Remarks:

2 units: in process of cleaning unsure where it came from. 206179

DEC Investigator Remarks:

06/28/07 - See eDocs for Con Ed report detailing cleanup and closure.

206179 see eDocs

Map Identification Number 88 **325 EAST 48TH STREET**
325 EAST 48TH STREET
BROOKLYN, NY

Spill Number: 9210041 **Close Date: 02/22/2013**
TT-Id: 520A-0041-214

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1514 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: FITE ROBERTSON
DEC Investigator: VXBREVDO

Spiller:
Notifier Name:
Caller Agency: KINGBORO PSYTRIC CENTER
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 221-7342
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
11/30/1992		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

Caller Remarks:

THE TANK IS LEAKING SMALL AMOUNT OF OIL AND REPLACEMENT OF TANK IS BEING SETTLED WITH CONTRACTOR FOR NEAR FUTURE

DEC Investigator Remarks:

) ɔ Sept, 2004 data translation this spill Lead_DEC Field was "MILLER"

6/25/08: Reassigned from Vadim Brevdo to Kartik Chanda. (Chanda)

2/22/2013 No file, sampling data or other information which would warrant puruing this 21 year old case exists. Small amount of number 2 oil leaked from the tank. Tank was apparently fixed later. Closed spill case effective 02/22/2013. Brevdo

Map Identification Number 89 **123 EAST 92ND ST**
123 EAST 92ND ST
BROOKLYN, NY

Spill Number: 9508863 **Close Date: 11/01/1995**
TT-Id: 520A-0041-667

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1558 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Local Agency
Caller Name: TASHA GERENA
DEC Investigator: O'DOWD

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

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 595-6777
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
10/10/1995		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:

UNKNOWN COMPANY SPILLED WHAT IS BELEIVED TO BE FUEL OIL IN

BASEMENT OF DWELLING - RESIDENT CONTACTED DEP BECAUSE SMELL IS

STILL PRESENT

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

Map Identification Number 90 **MANHOLE #68511**
MONTGOMERY ST & EAST NY AVE
BROOKLYN, NY
Spill Number: 0910528 **Close Date: 01/21/2010**
TT-Id: 520A-0234-051

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1565 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: MONTGOMERY ST / E NEW YORK AVE
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name:
DEC Investigator: Con Ed Unassigned
Spiller: ERT
Notifier Name:
Caller Agency:
Contact for more spill info: ERT
Spiller Phone:
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
12/26/2009		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:

1 GALLON OF UNK OIL IN A MANHOLE THERE IS A EARTHEN SUMP. CLEAN UP PENDING.

DEC Investigator Remarks:

01/21/10 – See eDocs for Con Ed report detailing cleanup and closure.

Map Identification Number 91 **4 FAMILY HOUSE**
1037 MONTGOMERY STREET
BROOKLYN, NY

Spill Number: 0408581 **Close Date: 11/16/2004**
TT-Id: 520A-0049-335

MAP LOCATION INFORMATION
Location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1573 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Responsible Party
Caller Name: DERRICK WARD
DEC Investigator: JMKRIMGO

Spiller: VICO OIL CO
Notifier Name: DERRICK WARD
Caller Agency:
Contact for more spill info: DERRICK OR STELLA

Spiller Phone: (718) 455-6030
Notifier Phone: (718) 756-7520
Caller Phone: (718) 756-7520
Contact Person Phone: (718) 756-7520

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
11/04/2004		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
ASBESTOS	HAZARDOUS MATERIAL	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

THERE IS OIL IN BASEMENT AND ASBESTOS ALSO: SAMPLES WERE TAKEN: SPEED DRI WAS PLACED DOWN AND DEOR. WAS SPRAYED: FUMES ARE

THROUGH THE HOUSE: OIL CO. WILL OT RESPOND BACK TO CLEAN UP;

DEC Investigator Remarks:

11/4/04 TJD
Unable to contact notifier (homeowner) no answering machine. Lewis Oil contacted, Nick Vitucci – Service Manager states a small spill occurred at residence approximately 3 weeks ago. At time of event Lewis Oil sent technicians to location to contain product and begin cleanup – Lewis also retained ABC Tank Cleaners to clean oil impacts in basement. Mr. Vitucci states he did not hear from property owner again until yesterday when he called to complain about oil all over the basement floor again. Lewis again responded to the location with ABC Tank Cleaners, Mr. Vitucci claims that there was nothing on the floor but clean absorbent. Mr. Vitucci further states he is not sure if initial spill was reported to NYSDEC.

11/04/04. J.Krimgold called Ms Stella Ward. She complained that absorbent was not picked up after spill was cleaned. J.Krimgold spoke to Nick Vitucci. He is sending a crew to pick up absorbent from the floor.

Map Identification Number 92 **202 EAST 91 ST**
202 EAST 91ST ST
BROOKLYN, NY

Spill Number: 0201233 **Close Date: 05/07/2002**
TT-Id: 520A-0265-158

LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1586 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Responsible Party
Caller Name: PETER DARCO
DEC Investigator: TJDEMEO

Spiller: S J FUEL CO
Notifier Name:
Caller Agency: S J FUEL CO
Contact for more spill info: PETER DARCO

Spiller Phone: (718) 625-5527
Notifier Phone:
Caller Phone: (718) 855-6060
Contact Person Phone: (718) 855-6060

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
05/02/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	5.00	GALLONS	5.00	GALLONS	SOIL

Caller Remarks:

CUSTOMER OVER ORDERED FUEL ~ 5 GAL SPILLED TO SIDEWALK – ALL MATERAL CLEANED UP

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
5/8/02 TJD

Overfill of tank of approximately 5 gal #2 oil. All impacts outside of residence, adjacent to vent pipe. Spill cleaned by S&J Fuel Oil using absorbents. Spill closed

Map Identification Number 93 **BLDG SUPER JIMMY HAYWARD**
202 EAST 91ST ST
BROOKLYN, NY

Spill Number: 0201215 **Close Date: 01/03/2006**
TT-Id: 520A-0265-157

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1586 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	S&J FUEL	Spiller Phone:	(718) 855-6060
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	PAQUITA KETCHATCHAM	Caller Agency:	CITIZEN	Caller Phone:	(718) 498-0181
DEC Investigator:	RXMUSTIC	Contact for more spill info:	JIMMY'S BOSS IS ROBERT	Contact Person Phone:	(516) 782-3747

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
04/30/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER STATED THAT OIL COMPANY (UNK NAME) DELIVERED FUEL TWO DAYS AGO AND SPILLED TO GROUND. CALLER NOW HAS STRONG FUEL ODOR IN RESIDENCE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
5/2/2002 – Sangesland spoke with woman who lives in the apartment directly over the oil fill port. She says she has been smelling oil for several months and the landlord will not do anything about it. She has a newborn baby and has had to leave the apartment several times for a hotel.

Sangesland called again later and spoke with husband (Mr. Ketchatchan) he provided the name and contact info for the managing agent.

Managing Agent is "Belinda" at Renissance Realty (516-608-0737)

Super of the building is Jimmy Hayward, his supervisor is "Robert" at 516-782-3747.

Oil company contact is "Andy" at S&J Fuel (718-855-6060)

Sangesland set up a site visit for Friday 5/3 at 1 PM.

5/3/2002 – Sangesland met at the site with super "Jimmy" and 2 reps from S&J Fuel.

, utside of the building was obviously coated with oil from a spill several days earlier (still was not adequately cleaned up)

Evidence of splatter out of the Vent line, around the fill line, across the sidewalk and along approx. 60 feet along the curb.

Some speedie dry & sand had been applied, but dark "wet tar" like patches remained, along with a strong smell of oil (even on a VERY windy day).

This outside contamination MUST BE CLEANED ASAP.

Inside the building, the tank vault room was located and there appeared to be a layer of free liquid product on the floor. The sides of the tank looked wet with oil and the area appeared to have been contaminated for some time.

This tank room with free product under the tank was directly below the bedroom of the Ketchatcham apartment.

Sangesland directed Renissance Realty to hire a clean up company to clean out the tank room, check the tank for leaks, drill a 1" diameter soil boring through the vault floor (looking for contaminated soil).

If there is no subsurface contamination, the area should be patched, steam cleaned, epoxy painted (floor & walls) and every effort should be made to seal the airflow (cracks) leading up to the apartment above.

Renissance indicated that a contractor would be hired today (Petroleum Tank Cleaners – Ray – 718-624-4842) and would be on the job before Monday (5/6/02).

5/3/2002 – 5pm + Apparently Petroleum Tank Cleaners was NOT hired to do the clean up. There is terrible communication between

the various members of Renissance Realty (Belinda & Julius). Renissance wants PTC to inspect the site and provide a firm price quote.

Sangesland stated that this is an emergency situation and the oil vapors are directly impacting the adjacent apartment including an infant.

5/3/2002 - 5:30pm -spoke with Mr. Julius Knowel(?) (516-887-2199) who is either the owner of the building or the owner of the managing company. Apparently no one informed him of exactly what was going on at the site.

S&J is doing the outside cleanup, but has said they are NOT responsible for the inside problem.

Mr. Knowel was told that the NYSDEC wants a contractor called out by Saturday morning to clean the vault room. He said he would drive out to the building tonight and contact someone to do the work after his inspection. If PTC or some other "real" clean up company is not on site by Saturday Mid Day, NYSDEC will take the site over as a State funded PIN Job.

5/4/2002 - 11 AM Sangesland called Petroleum Tank Cleaners - They were on their way to the site. They had been hired to do the clean up.

5/7/2002 - Sangesland spoke with Petroleum Tank Cleaners. The initial cleanup was done, however the property owner wanted a price quote to finish the work.

5/15/2002 - Sangesland contacted Renissance Realty again to set up a "Final Inspection" of the tank room. The Rep at Renissance stated that the boring work, epoxy painting and sealing of air gaps to the bedroom above had not been done. When they were asked when this work would be done, DEC was told that the price bids received so far were too high and additional bids were requested.

5/28/2002 - Ray Lara from Petroleum Tank Cleaners called to discuss exactly what type of soil boring work was needed. Sangesland described the work. Mr. Lara will speak with the property owner and get back.

6/20/2002 - Sangesland met at the site with a Rep from Renissance Property Management. Sangesland directed the Rep to drill a 1" diameter hole through the floor of the tank room. A soil sample from beneath the slab was inspected. There was no appearance of oil contamination. Sangesland directed the Rep to close up the hole. Management was now directed to have the floor and 18" of the walls painted with epoxy paint.

The DEC now requires a document which includes:

1) A statement of the tank repair along with associated documents.

2) photos of epoxy paint job (to confirm it was done)

3) request for spill closure.

4/6/2004 Sangesland called Renissance Mgt at 516-812-0011. Belinda no longer works there. The woman in the office said she would look up the records and call Sangesland back ASAP.

12/20/2005 Owner of property is Julius Nowak as per NYC records. Purchased property from Valleybrook Realty Group/D'Arco on 10/23/2002 (after spill). NYC tax records indicate tax bills are sent to Valley Brook Realty (PO BOX 403, MALVERNE, NY 11565-0403).

Map Identification Number 94 **MANHOLE #28981**
NE CORNER ALBANY/MAPLE AV BROOKLYN, NY

Spill Number: 9814697 **Close Date: 03/22/1999**
TT-Id: 520A-0043-014

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1617 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: ALBANY AV / MAPLE ST
Revised zip code: 11203

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: STEPHEN CRIBBIN
DEC Investigator: JHOCONNE

Spiller: STEPHEN CRIBBIN - MANHOLE #28981
Notifier Name: STEPHEN CRIBBIN
Caller Agency: CON ED
Contact for more spill info: STEPHEN CRIBBIN

Spiller Phone: (212) 580-8576
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-8576

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
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
03/10/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SAMPLES HAVE BEEN TAKEN-CLEANUP IS PENDING RESULTS-THERE IS AN OIL TANK IN MANHOLE-UPON CHECKING TANK NO LEAKAGE WAS FOUND-NO SEWERS OR WATERWAYS AFFECTED. CON ED #123553.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con ed e2mis notes:

3/10/99 1030HRS - FRED ABBASSI #84130, OP SUPV, UG - REPORTS WHILE ON ROUTINE INSPECTIONS FOUND 1/2 GALLON UNKNOWN OIL ON 200

GALLONS WATER. ABBASSI CHECKED TANK & TUBING AND THERE WAS NO LEAKAGE. SPILL IS CONTAINED. CONCRETE FLOOR IN MH - NO SUMP OR SUMP

PUMP. SAMPLE TAKEN WITH 4 – 6 HR PRIORITY. ENV STOP TAG INSTALLED #12068. THERE ARE NO PARKING RESTRICTIONS.

NO SEWERS OR WATERWAYS WERE AFFECTED.

REPORTED TO CIG 1109HRS S. CRIBBIN

3-10-99 7:35HRS LAB SEQ# 99-02538 <1.0ppm

3/11/99-22:00HRS.-E. DAVIS-03732-FLUSH OPS. REPORTS CLEANUP COMPLETED USING SLIX AT THIS TIME AND ENV TAG#12068 REMOVED.

Map Identification Number 95 **MANHOLE #3801**
MONTGOMERY STREET & TROY AVE BROOKLYN, NY **Spill Number: 0603402** **Close Date: 11/15/2006**
TT-Id: 520A-0038-392

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1730 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: MONTGOMERY STREET / TROY AVE
Revised zip code: UNKNOWN

e of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
r Type: Responsible Party
Caller Name:
DEC Investigator: GDBREEN

Spiller: ERTS – CON EDISON MH #3801
Notifier Name:
Caller Agency:
Contact for more spill info: ERTS

Spiller Phone: (212) 580-8383
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 580-8383

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
06/27/2006		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:

ON 15 GALLONS OF WATER: CONED # 200849

DEC Investigator Remarks:

11/15/06 – See e-docs for Con Ed report detailing cleanup and closure.

200849. see eDocs.

Map Identification Number 96 **MH 3801**
TROY AND MONTGOMERY ST BROOKLYN, NY

Spill Number: 0508976 **Close Date: 01/12/2006**
TT-Id: 520A-0044-037

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1730 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: TROY AVE / MONTGOMERY ST
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Responsible Party
Caller Name: TOM ENRIGHT
DEC Investigator: GDBREEN

Spiller: ERTS - CON EDISON
Notifier Name: ANDERSON,MR
Caller Agency: CONED
Contact for more spill info: ERTS

Spiller Phone: (212) 580-8383
Notifier Phone: (212) 580-8383
Caller Phone: (212) 580-6766
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.
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
10/26/2005		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

161659#

DEC Investigator Remarks:

161659. 10/26/05 - 1000. K. NIXON - 29766 - U.G. SPLICER, WHILE DOING PRE-INSPECTS ON FDR 3B88 (ACCT: C7515), REPORTS FINDING APPROX 1 PT OF AN UNKNOWN OIL ON APPROX 100 GALS OF WATER IN MH3801. SPILL IS CONTAINED. NO SEWERS OR WATERWAYS AFFECTED. NO FIRE OR SMOKE INVOLVED. NO INJURIES. NO PRIVATE PROPERTY AFFECTED. NO MOVEMENT IN THE WATER. CANNOT VERIFY THE EXISTENCE OF ANY SEWER CONNECTIONS. SUMPS OR DRAINS. ENV TAG # 49425 PLACED IN STRUCTURE. PCB SAMPLE TAKEN. CHAIN OF CUSTODY FORM # CC16109 FILLED OUT AND MARKED 'E' PRIORITY. CLEANUP PENDING LAB RESULT. TJ - 50495

Lab Sequence Number: 05-11286-001 < 1.0 ppm

UPDATE 10/27/05 02:02 HRS ENV OPS ROSADO REPORTS WHILE ON LOCATION TO PERFORM THE CLEANUP, HE NOTICED THE JOINT NOT CONNECTED TO THE TANK. #9 RESPONDED TO LOCATION AND D-FAULTED STRUCTURE WITH TAG# 00175 4W1W NOT CONNECTED TO TANK. AS PER FCR C. MONTANA FDR 3B88 NOT SCHEDULED TO COME OUT, INCIDENT TO BE REMOVED FROM THE 72 HOUR PROGRAM. J ANDERSON

Map Identification Number 97 **MANHOLE #2366**
E NEW YORK AVE/ROCHESTER BROOKLYN, NY **Spill Number: 0012261** **Close Date: 07/12/2001**
TT-Id: 520A-0044-056

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1758 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: E NEW YORK AVE/ROCHESTER AV
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: SEAN MCKEEVER
DEC Investigator: OKWUOHA

Spiller: UNKNOWN - UNKNOWN
Notifier Name: SEAN MCKEEVER
Caller Agency: CON ED
Contact for more spill info: SEAN MCKEEVER

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
02/14/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN NON-PETRO/NON-HAZ MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

APPROX 1 PINT OF UNK OIL ON TOP OF 200 GALLONS OF WATER IN MANHOLE.

SPILL IS CONTAINED-NO SEWER OR WATERWAYS. CON ED #135530

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 2/15/01: 1 pint of an unknown oil on approx. 200 gal of water. Spill is contained. No sewer or waterways affected. No

sump pump. No movement in water. No substantial cracks in structure. Transformer passed pressure test. Historic PCB count is 19ppm. 2/15/01. MO.

Map Identification Number 98 **MANHOLE TM2366**
E NEW YORK AVE/ROCHESTER BROOKLYN, NY

Spill Number: 0008718 **Close Date: 11/29/2000**
TT-Id: 520A-0044-057

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1758 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: E NEW YORK AV / ROCHESTER AV
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: BILL MURPHY
DEC Investigator: KMFOLEY

Spiller: UNKNOWN
Notifier Name: DONATONE
Caller Agency: CON EDISON
Contact for more spill info: BILL MURPHY

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.
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		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:

TRANSFORMER PAST PRESSURE TEST. HISTORICAL PCB OIL IS 145 PPM. A VACTOR TRUCK WAS CONTAMINATED WHILE SUCKING DIRT FROM THE BOTTOM OF THE MANHOLE. TRUCK HAS BEEN QUARENTINED, PENDING TEST RESULTS. SAMPLE TAKEN, CLEAN UP PENDING. CON ED#134118

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
E2MIS notes:

Approximately 2 quarts of unknown oil on dirt in TM2366. Appears to be contained. No sewers or waterways affected. Pressure tested unit and found to be OK. Records show PCB 145ppm. Vehicle #600564 contaminated while cleaning TM-2366. Will quarantine at yard until sample results return.

10/26/00 Update: Results returned at <1ppm PCBs. Cleanup complete by Flush employee. Cleanup completed by double washing with slix. Liquids were removed by tanker, and solids were removed by vactor. No leaking company equipment.

Map Identification Number 99 **MANHOLE 2986**
CROWN ST & SCHENECTADY AVE BROOKLYN, NY **Spill Number: 0202471** **Close Date: 08/26/2002**
TT-Id: 520A-0037-313

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1801 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: CROWN ST / SCHENECTADY AVE
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: RICHARD ROACH
DEC Investigator: KMFOLEY

Spiller: UNKNOWN
Notifier Name: LOU ZAMBRIO
Caller Agency: CON EDISON
Contact for more spill info: RICHARD ROACH

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6764

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
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
06/06/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

spill was going to be cleaned up within 24hrs but to much work to do in manhole so it won't be completed onlt about 2 quarts of product ref #143223

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
Con Ed e2mis #143223:

6-6-02 1630 HRS PAUL KELLY # 16016 FOD REPORTS WHILE FINDING A FAULT ON TROUBLE (OA) FDR. 3B85 IN MH2986 W.INT. CROWN

ST & SCHENECTADY AVE HE FOUND APPROX 3 QUART UNKNOWN OIL ON 200 GALLONS WATER. FAULT IS IN THE STRUCTURE. THERE WAS A (21) CALLED IN AT THIS LOCATION. HE FOUND THE FIRE DEPT STANDING BY WITH AREA ROPED OFF AT THIS LOCATION. THERE WAS NO FIRE OR SMOKE WHEN HE

ARRIVED ON LOCATION. NO PRIVATE PROPRTY AFFECTED. NO INJURIES DUE TO THIS OIL. WEATHER DID NOT CAUSE OR CONTRIBUTE TO THIS OIL. HE DOES NOT SEE A SUMP OR SEWER CONNECTION AT THIS TIME. LIQUID SEEMS CONTAINED , NO SEWERS OR WATERWAYS AFFECTED. ONLY OIL FILLED EQUIPMENT IN STRUCTURE IS 3 C PAPER CABLE. HE TOOK A LIQUID SAMPLE AND REQUESTED EMERG PRIORITY FOR PCB SAMPLE RESULTS. WILL START CLEANUP AS 50-499 PPM. WILL ORDER EPA # NUMBER AND A OVER 50 PPM TANKER (CLEAN HARBORS, NO COMPANY TANKER AVAILABLE). CHAIN OF CUSTODY # BB00202. HE PLACED E.S.TAG # 15754. NO PARKING ANYTIME CIG MCARDLE NOTIFIED 1710 HRS

UPDATE @ 2249 HRS 6/6 J.DEKANCHUK ENVIROMENTAL OPS REPORTS UPON CLEANING STRUCTURE CREW FOUND A DRAIN WHICH WAS CLOGGED WITH DEBRIS, AFTER REMOVAL OF DEBRIS DRAIN BEGAIN TO TAKE WATER. NO OIL APPEARS TO HAVE ENTERED DRAIN. WILL CEMENT DRAIN AT THIS TIME.

UPDATE 6/6/02 11:10 HRS. -- J. DEKANCHUK, O.S. BROOKLYN ENV. OPS., REPORTS TWO DRUMS OF SOLID WASTE REMOVED. MANHOLE DOUBLE-WASHED WITH BIOGEN 760. LIQUID WASTE PICKED UP BY TANKER. ENV. STOP TAG REMAINS IN PLACE PENDING PCB RESULTS. CREW

REMAINS ON LOCATION PENDING ARRIVAL OF UNDERGROUND TO MAKE REPAIRS.

UPDATE @ 0059 6/7 LAB RESULTS RECEIVED SEQ#02-05307 -001 @<1PPM PCB.

UPDATE # 2230 HRS 6/6 D.LICHTENSTEIN REPORTS STRUCTURE DOUBLE WASHED WITH BIO GEN 760 CLEANUP COMPLETED. TAG REMAINS IN

PLACE, UNTIL UNDERGROUND COMPLETES SPLICING, DUE TO STRUCTURE MAKING WATER.

L TE 6-7-02 -0730 DUE TO THE STRUCTURE MAKING WATER AND FEEDER FAULT (BLOWN JOINTS) JOINTS TO BE CUT OUT AFTER, HAS TO BE TAG BY FOD. FOD HAS TO IDENTIFIED & MARK PHASES IN HOLES AROUND THIS STRUCTURE. THIS CLEANUP WILL NOT BE COMPLETED ON TIME. WILL TAKE THIS OFF THE 24 HRS DEMINIMIS PROGRAM. NOTIFIED ROACH CIG 0723 HRS TO TAKE THIS OFF THE CLOCK.

UPDATE 6- 8- 02 1300 HRS K. QUEST MECH "A" FLUSH DEPT REPORTS CLEANUP IS COMPLETED UG REMOVED BLOWN JOINT. HE DOUBLE WASH STRUCTURE WITH BIO- JEN 760. HE REMOVED ALL LIQUIDS WITH A VACTOR. HE FOUND A SUMP THAT HAD BEEN CEMENTED. HE REMOVED E. S. TAG # 15754. INCIDENT IS COMPLETED.

Update - 06- 11- 02- 14: 00 hrs

Cleanup completed by double washing structure with bulldog. Liquids were removed by tanker and solids were removed by vactor.
Leaking joint was corrected by cable gang.

Map Identification Number 100 **MH5360**
INFO 10-22 WINTHROP AV
BROOKLYN, NY

Spill Number: 0003126

Close Date: 09/26/2001
TT-Id: 520A-0045-341

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1882 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: INFO 1022 WINTHROP AV
Revised zip code: 11212

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: CHARLIE MCCARTHY
DEC Investigator: JHOCONNE

Spiller: UNKNOWN
Notifier Name: REIDY
Caller Agency: CON ED
Contact for more spill info: CALLER

Spiller Phone:
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
06/13/2000		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

C Remarks:

SAMPLE TAKEN CLEAN UP PENDING

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con Ed e2mis Notes:

6/13/00 1pint unknown oil on 700gal water in manhole. Sample returned <1ppm PCB.

7/19/00 Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment.

Map Identification Number 101 **COMMERCIAL PROP.**
1044 EAST NEW YORK AVEUNE
BROOKLYN, NY

Spill Number: 0403661

Close Date: 10/07/2005
TT-Id: 520A-0040-537

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1944 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: 1044 E. NEW YORK AVE.
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: MARK ROBBINS
DEC Investigator: SXSCHARF

Spiller: JOSEPH GLADYS
Notifier Name: MARK ROBBINS
Caller Agency: HYDRO TECH ENVIRONMENTA
Contact for more spill info: MARK ROBBINS

Spiller Phone:
Notifier Phone: (631) 462-5866
Caller Phone: (631) 462-5866
Contact Person Phone: (631) 462-5866

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
07/06/2004		UNKNOWN	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Remarks:

Auto Body Shop which was formerly a gas station is the site of spill. Soil contamination on site. Caller just received results of soil samples. Clean up has not yet begun.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
07/06/04. CSL has been sent to the spiller. YK

5/19/05 – Mark Robbins from HydroTech, 631-462-5866 called and said that he is working on the site. He removed the gasoline USTs from the site. He removed 3 hydraulic lifts. He found some soil contamination at parking lot. He excavated the contaminated soil. He also took end point samples from all the works. He is going to sample GW beneath the previous tank field. He will be putting together a report and will dispose of the soil properly. – KST

08//9/05– Spoke to Antoinette Olliviere of HydroTech. their firm just did a soil removal and will be following up with a report. S. scharf

Review of the Spill Closure report submitted by Hydrotech Environmental clearly indicates that all contaminated soils have been removed and GW is below GW standards. therefore, spill was closed on 10/07/05– S. Scharf.

Map Identification Number 102 **997 CLARKSON AVE**
997 CLARKSON AVE
BROOKLYN, NY
Spill Number: 9708569 **Close Date: 03/23/2004**
TT-Id: 520A-0042-040

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1962 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: MISSING CODE IN OLD DATA
Notifier Type: Missing Code in Old Data - Must be fixed
Caller Name: PETER LEPORE
DEC Investigator: SMMARTIN
Spiller:
Notifier Name: MARK PEREZ
Caller Agency: PETRO OIL
Contact for more spill info:
Spiller Phone:
Notifier Phone: (718) 628-3348
Caller Phone: (718) 628-3348
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
10/22/1997		MISSING CODE	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: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
FITTING WAS OPEN - SPILLED ONTO DIRT CALLED PETER LEPORE- LEFT MESSAGE @ 2:05.

Map Identification Number 103 **ON THE STREET 580 -574 MAPLE AVE**
ON THE STREET 580 -574 MAPLE AVE
BROOKLYN, NY
Spill Number: 1011486 **Close Date: 02/24/2011**
TT-Id: 520A-0261-960

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 2075 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Other
Caller Name:
DEC Investigator: vszhune
Spiller:
Notifier Name:
Caller Agency:
Contact for more spill info: CHRIS HASS
Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (917) 769-1263

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
02/13/2011		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	

Remarks:

spill occurred last week, by unk company. Clean up was done on sidewalk but not on roadway.

DEC Investigator Remarks:

02/17/11-Zhune spoke to Chris Hass from DEP 917-769-1263. Trebor Clouden 718-7743696 called to complaint that oil company did delivery and spilled oil on the sidewalk and approximalety 1 gallon on the street. Spill on sidewalk was cleanedup. Spill on the road is not clean.
Spill Closed.

Map Identification Number 104 **PRIVATE HOME**
806 ALBANY AVE
BROOKLYN, NY

Spill Number: 0711365 **Close Date: 02/13/2008**
TT-Id: 520A-0210-561

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2106 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name:
DEC Investigator: RMPIPER
Spiller: ALLISON RICHARDSON - PRIVATE HOME
Notifier Name:
Caller Agency:
Contact for more spill info: ALLISON RICHARDSON
Spiller Phone: (718) 208-7593
Notifier Phone:
Caller Phone:
Contact Person Phone: (718) 208-7593

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
01/28/2008		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:

OIL SPILL IN BASEMENT , NO FURTHER

DEC Investigator Remarks:

r. ...ll on a long term case. I left message with AManda requesting callback since they keep notifying DEC and do not return phone calls. I have left my office and cell phone number on multiple numbers given and still have not received a callback. closed.

Map Identification Number 105 **INFRONT OF** 122 EAST 43ND ST MANHATTAN, NY **Spill Number: 9815119** **Close Date: 03/22/1999** TT-Id: 520A-0047-011

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2121 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: IFO 122 E 43RD ST
Revised zip code: 11203

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: PAUL GREENE
DEC Investigator: JXZHAO

Spiller: UNKNOWN
Notifier Name: PAUL GREENE
Caller Agency: MANAGER
Contact for more spill info: PAUL GREENE

Spiller Phone:
Notifier Phone: (212) 697-0970
Caller Phone: (212) 697-0970
Contact Person Phone: (212) 697-0970

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
03/22/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MERCURY	HAZARDOUS MATERIAL	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

PRODUCT IS ON SIDEWALK ON THE 41ST ST SIDE OF PROPERTY LOOKS LIKE IT WAS WASHED DOWN THE SIDEWALK FROM THE HEAVEY RAIN

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHAO"
REFERRED AND FAXED TO NYCDEP– HAZMAT UNIT. 12:50PM, TWO (2) DEP EMPLOYEES WERE ON THE SCENE. NO FURTHER INFORMATION WAS GIVEN AT THE TIME.

Map Identification Number 106 **NYNEX**
1530 CARROLL STREET BROOKLYN, NY **Spill Number: 0330051** **Close Date: 12/31/2003**
TT-Id: 520A-0040-495

LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2216 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: MARK TIBBE
DEC Investigator: MCTIBBE

Spiller: NYNEX
Notifier Name: DONNA HYMES
Caller Agency: NYSDEC
Contact for more spill info:

Spiller Phone:
Notifier Phone: (610) 344-3380
Caller Phone: (718) 482-4097
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/08/1996		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:

minor soil contamination discovered during tank removal. Spill opened for tracking purposes.

DEC Investigator Remarks:

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

Map Identification Number 107 **86 E. 56TH STREET**
86 E. 56TH STREET
BROOKLYN, NY

Spill Number: 9504722 **Close Date: 02/11/2003**
TT-Id: 520A-0045-351

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2220 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name: CHARLES LAHEY
DEC Investigator: TOMASELLO

Spiller: SAME
Notifier Name:
Caller Agency: WEATHER FUEL
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 647-1400
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.
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
07/18/1995		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

LEAK FROM TANK BEHIND CINDER BLOCK WALL - TANK TO BE EXCAVATED & CLEAN UP TO FOLLOW.

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

Map Identification Number 108 **EXCAVATION**
1622 PRESIDENT STREET BROOKLYN, NY **Spill Number: 0502590** **Close Date: 06/26/2008**
TT-Id: 520A-0040-689

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2346 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

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

Spiller: ERT DESK MIKE DAUGHTERY - EXCAVATION
Notifier Name: LARRY COSTA
Caller Agency: CON ED
Contact for more spill info: ERT DESK MIKE DAUGHTERY

Spiller Phone: (212) 580-8383
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
06/03/2005		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

during excavation found about 2 cups of oil in ground: they were repairing an electrical service on this property and told the homeowner that they would have to take care of it themselves: coned # 158942 : no to 5 questions

DEC Investigator Remarks:

e2mis no 158942

M. LUONGO REPORTS FINDING APPROX 2 QTS OF HEATING OIL LEACHED INTO THE SOIL AT 1622 PRESIDENT ST IN THE REAR COURTYARD. THIS 3RD PARTY SPILL WAS FOUND WHILE DOING AN EXCAVATION ON A B-TICKET TO REPAIR THE ELECTRIC SERVICE ON ACCT#20087. NO SEWERS, WATERWAYS, OR PRIVATE PROPERTY AFFECTED. THE SOURCE AND CAUSE OF THE SPILL IS FROM AN OIL FILL LINE FOR A
FUEL TANK WHICH WAS RUNNING PARALELL TO THE EXCAVATION, BUT WAS NOT TOUCHED DURING THE EXCAVATION. AS PER F. MANAGIAMELI EHS, M. LUONGO WAS INSTRUCTED TO BACKFILL THE EXCAVATION WHICH WAS ABOUT 1 CUBIC YARD, AND TO NOTIFY THE OWNER OF THE BUILDING TO HAVE THE PROBLEM RECTIFIED WHICH M. LUONGO DID. (Referred to Sanglesand - SKA)

6/26/2008 Review of old dormant cases - This spill appears inactive.

Map Identification Number 109 **CHURCH AVE AND** SCHENECTADY AVE BROOKLYN, NY **Spill Number: 0006458** **Close Date: 10/27/2000** TT-Id: 520A-0045-356

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2379 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: CHURCH AVE / SCHENECTADY AVE
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: TED ROBICHAUD
DEC Investigator: JHOCONNE

Spiller: UNKNOWN
Notifier Name: SAME
Caller Agency: CON EDISON
Contact for more spill info: TED ROBICHAUD

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
08/30/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
OTHER	OTHER	1.00	GALLONS	0.00	GALLONS	SOIL
The following material was dropped or revised by the NYS DEC. Call Toxics Targeting for more information						
OTHER PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	

Caller Remarks:

MANHOLE 61359 HAS 1 PINT OF OF UNKNOWN OIL SITTING ON TOP OF

300 GALLONS OF WATER(SEWAGE).NO SEWERS OR WATERWAYS.SAMPLE TAKEN

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis: 1 pt unknown oil on 300 gallons of sewage in MH#61359. No sewers or waterways affected. Contained. Clean up pending sample result.

Update:8-31-00 Clean up taking place being treated as 50 to 499ppm. Lab sequence - 39 ppm. Clean up complte. Clean up complted by double washing structure with slix. Liquid waste removed by vactor. Leaking fdr cable corrected by #9. No leaking equipment.

Map Identification Number 110 **SERVICE BOX #24272**
224 E 94TH ST
BROOKLYN, NY

Spill Number: 9907074 **Close Date: 11/29/1999**
TT-Id: 520A-0042-413

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2394 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: STEPHEN CRIBBIN
DEC Investigator: JHOCONNE

Spiller: UNKNOWN - UNKNOWN
Notifier Name: STEPHEN CRIBBIN
Caller Agency: CON EDISON
Contact for more spill info: STEPHEN CRIBBIN

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

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[illegible]/1999		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:

SAMPLE TO BE TAKEN BY CHEM-LAB AND TAG TO BE HUNG-CLEAN UP PENDING

RESULTS. CON ED #127798.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
con ed e2mis notes:

approx 2 gallons of unknown oil on 10 gallons of water. He does not see any other oil filled equipment in structure. No sump or sewer connection.

Reports <1.0 ppm, cleanup complete and tag removed.

Map Identification Number 111 **TRANSFORMER VAULT**
UTICA AVE & CHURCH AVE
BROOKLYN, NY
Spill Number: 0514679 **Close Date: 06/14/2006**
TT-Id: 520A-0038-557

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2415 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: UTICA AVE / CHURCH AVE
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
Notifier Name: PAUL DEDONOTO
Caller Agency: CONED
Contact for more spill info: ERT DESK'
Spiller Phone: (212) 580-8383
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-8383

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
03/21/2006		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:

on 700 gallons of water about 1 pint, no to 5questions: need to deenergize: 163448.

DEC Investigator Remarks:

06/14/06 - See e-docs for Con Ed report detailing cleanup and closure.

163448. 3/21/06 - 2020. S. KARTELL - 83733 - ENV. OPS., WHILE DOING ROUTINE WORK (ACCT: C3246), REPORTS FINDING APPROX 1 PT OF AN UNKNOWN OIL ON APPROX 700 GALS OF WATER IN VS3255 (ISOLATED FDR 3B95). SPILL IS CONTAINED TO THE STRUCTURE. NO SEWERS OR WATERWAYS AFFECTED. NO FIRE OR SMOKE INVOLVED. NO INJURIES. NO PRIVATE PROPERTY AFFECTED. NO MOVEMENT IN THE WATER. CANNOT VERIFY THE EXISTENCE OF ANY SEWER CONNECTIONS, SUMPS OR DRAINS. NO PARKING ANYTIME (BUS STOP). STRUCTURE IS LEC'D IN LINE HOLE AND IS SCHEDULED TO BE REPLACED (INTERNAL PROBLEMS). BQE TO BE CALLED IN THE A.M. TO PRESSURE TEST UNIT. ENV TAG # 49128 PLACED IN STRUCTURE. PCB SAMPLE TAKEN. CHAIN OF CUSTODY FORM # DD19425 FILLED OUT AND MARKED 'E' PRIORITY. CLEANUP PENDING LAB RESULT. TJ - 50495

Lab Sequence Number: 06-03074-001 < 1.0 ppm

UPDATE 3/22/06 15:35 HRS BQE B. THORNGREN REPORTS THAT THE UNIT IS BELOW MIN AND FAILED THE PRESSURE TEST, HE ALSO TOOK A SAMPLE

FROM THE UNIT FOR PCB ANALYSIS ON CHAIN OF CUSTODY# EE06678. J ANDERSON

UPDATE 3/23/06 01:03 HRS. SAMPLE RESULTS RETURNED CC #EE-06678 : <1 PPM LSN 06-03138-001
J. MASON

3/23/2006 07:12 HRS. -- AS PER B/Q ENV DESK SUPV. D. HEARNS, CLEANUP IS PENDING TRANSFORMER REMOVAL WHICH WILL NOT BE DONE WITHIN 72-HOUR TIMEFRAME, THEREFORE INCIDENT HAS BEEN REMOVED FROM 72-HOUR DEMINIMIS PROGRAM.-- W.W. #17344 --

Map Identification Number 112 **MANHOLE #58411**
LENOX ROAD & 57 STREET
BROOKLYN, NY
Spill Number: 0601073 **Close Date: 01/10/2008**
TT-Id: 520A-0047-410

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2415 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: LENOX RD / E 57TH ST
Revised zip code: 11203

Source of Spill: UNKNOWN
Notifier Type: Federal Government
Name:
Investigator: GDBREEN
Spiller: CON EDISON
Notifier Name:
Caller Agency:
Contact for more spill info: ERT DESK
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
04/26/2006		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:

2 quarts unknown oil - coming off the 24-hour clock - cleanup is pending energizing of feeder - ref 163958 - no to five questions

DEC Investigator Remarks:

01/10/08 - See eDocs for Con Ed report detailing cleanup and closure.

163958. 4/26/2006 10:08 HRS. S. DIMAURO #44803 OF UNDERGROUND REPORTS ON LOCATION FOR

INSPECTION OF FEEDER 3B88 (ACCT # C3255) AND AT 09:45 HRS.
FOUND APPROX. 2 QTS. UNKNOWN OIL ON APPROX. 5 GAL. WATER IN MH-58411. SPILL APPEARS TO BE CONTAINED. NO SEWERS OR WATERWAYS APPEAR TO BE AFFECTED. NO PRIVATE PROPERTY AFFECTED. NO FIRE OR SMOKE INVOLVED. ENV STOP TAG # 48047 PLACED. LIQUID SAMPLE TAKEN. CHAIN OF CUSTODY FORM # EE-00466 MARKED FOR "E" PRIORITY AND PCB TEST. ALSO REPORTS "D" FAULT TAG # 06138 WAS PLACED (FEEDER 3B87, 3C STR JOINT, NOT DRAIN&FILL, WITH CUT TUBING AND NO OIL RESERVOIR TANK). CLEANUP PENDING DE-ENERGIZATION OF FEEDER.
72-HOUR DEMINIMIS. W. WAINWRIGHT #17344

LAB RESULT RECEIVED 4/26/06 - 2010. 06-04559. <1.0 PPM. TJ - 50495

4/27/06 19:05 HRS AS PER R. QUIJIJE ENV. SUPV. FDR 3B87 IS NOT SCHEDULED TO COME OUT OF SERVICE UNTIL MAY 17. SPILL WILL BE TAKEN OFF THE 72-HR CLOCK & CIG WILL BE NOTIFIED.
J. MASON

Map Identification Number 113 **SIDEWALK SPILL** **Spill Number: 0550896** **Close Date: 11/09/2005**
1588 PRESIDENT STREET BROOKLYN, NY TT-Id: 520A-0040-753

LOCATION INFORMATION
Location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2419 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: DEC
Caller Name: GEORGE BREEN
DEC Investigator: JXZHAO

Spiller:
Notifier Name: GEORGE BREEN
Caller Agency: NYS DEC REGION 2
Contact for more spill info: SPILL 05034460

Spiller Phone:
Notifier Phone: ext. 4974
Caller Phone: ext. 4974
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
07/03/2005		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	UNKNOWN	0	UNKNOWN	IMPERVIOUS SURFACE

Caller Remarks:

ConEd did one clean-up. Seems like it was not their fault. ConEd employee called 311. case is 1123059.

DEC Investigator Remarks:

For details cross ref to Con Ed Spill # 0503460

Con Ed cleaned out #6 fuel oil from a sidewalk box. They said the oil came from the sidewalk surface in front of 1588 President St.

Need to investigate 1588 President St to determine if they use #6 oil and if they have a fill port on/near the sidewalk.

Map Identification Number 114 **SERVICE BOX 1792**
1588 PRESIDENT STREET
BROOKLYN, NY

Spill Number: 0503460 **Close Date: 08/29/2005**
TT-Id: 520A-0051-500

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2419 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
[illegible] Type: Responsible Party
[illegible] Name: RON ELLIOTT
DEC Investigator: SKARAKHA

Spiller: ERT DESK MIKE DAUGHTERY - SERVICE BOX 1792
Notifier Name: RON ELLIOTT
Caller Agency: CON ED
Contact for more spill info: ERT DESK MIKE DAUGHTERY

Spiller Phone: (212) 580-8383
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 - 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
06/21/2005		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:

NO TO FIVE QUESTIONS CON ED #159339. CLEAN UP IS PENDING.

DEC Investigator Remarks:

e2mis no 159339

Jerome Slavage found 2 gallons unknown oil on 3 gallons water in SB31792. No sewers or waterways affected. Sample has been taken.
Env. stop tag # 22903 placed in structure. Clean up pending test results.

LSN-05-06001-001 MATRIX : OIL GRAB < 1. PPM.

UPDATE: 22-JUN-2005 1355HRS MERCADO ENVIROMENTAL OPS REPORTS TOOK ALL SOLIDS OUT OF STRUCTURE. 6 X WASHED WITH BIO GEN 760 AND BIO GEN 715. STRUCTURE STILL HAS OIL RESIDUE. WILL RETURN AT A LATER TIME WITH A STEAM CLEANER TO COMPLETE JOB. TAG REMAINS IN PLACE. JR78448.

02-JUL-2005 22:12 HRS. ENVIR. OPER. MECH-A S.KARTELL EMP# 83733 REPORTS: DBL. WASHED STRUCTURE WITH BIO-GEN 760. NO SUMP IN STRUCTURE, ENVIR. TAG# 22903 REMOVED. CLEANUP COMPLETE 100%. C.HOGAN 07511

UPDATE: 7/3/05 - 1310. E. WILLIAMS- O.S. - ENV. OPS., REPORTS THAT THE OIL IS COMING FROM AN OIL DELIVERY VALVE IN FRONT OF 1580 PRESIDENT ST. THERE IS CURRENTLY OIL RESIDUE ON THE SIDEWALK. MR. WILLIAMS REPORTED THIS TO 311. CASE # IS 1123059. TJ - 50495.

Closed. 8-29-05. George Breen. Opened new spill against building, not ConEd. See 0550896.

Identification Number 115 **FIVE GAL OIL FOUND IN MH 18814**
CHURCH AVENUE & EAST 52 STREET
BROOKLYN, NY

Spill Number: 0702240 **Close Date: 06/28/2007**
TT-Id: 520A-0037-931

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2424 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: CHURCH AVE / E 52ND ST
Revised zip code: UNKNOWN

Source of Spill:	UNKNOWN	Spiller:	CON EDISON	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	gdbreen	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
05/23/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

spill coming off 24 hr clock, after earth and sump found. 5 gal of unkn oil on 100 gals of water conatined in manhole. clean-up in progress. con ed ref# 206033

DEC Investigator Remarks:

06/28/07 - See eDocs for Con Ed report detailing cleanup and closure.

206033. see eDocs

Map Identification Number 116 **MANHOLE 61352 EMIS 218052**
CHURCH AVE /45TH ST BROOKLYN, NY

Spill Number: 0905784 **Close Date: 09/24/2009**
TT-Id: 520A-0233-019

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2427 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: CHURCH AVE / E 45TH ST
Revised zip code: 11203

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON ED	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	Con Ed Unassigned	Contact for more spill info:	ERT	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
08/18/2009		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	1.00	GALLONS	0.00	GALLONS	

Caller Remarks:

unk oil discoverd in manhole approx 1 gallon discovered in 200 gallons of water, earthen sump discovered during clean up. No to the 5 questions.

DEC Investigator Remarks:

09/24/09 – See eDocs for Con Ed report detailing cleanup and closure.

Map Identification Number 117 **SB 31790**
1568 PRESIDENT ST
BROOKLYN, NY
Spill Number: 0008499 **Close Date: 12/17/2001**
TT-Id: 520A-0039-901

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2456 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: RICHARD ROACH
DEC Investigator: JHOCONNE
Spiller: UNKNOWN
Notifier Name: MR HOGAN
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.
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
10/20/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

1 pt oil on water contained in service box. clean up pending. con ed 134-030

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con Ed e2mis #134030 Notes:

10-20-00 1pt unknown oil on 30gal water in service box. 1 liquid sample taken.

LSN 00-10105 <1ppm PCBs.

11-1-00 Structure was double washed with slix. Liquids removed by tanker, solids by vactor. No leaking company equipment.

Map Identification Number 118 **43 EAST 57TH STREET**
43 EAST 57TH STREET
BROOKLYN, NY

Spill Number: 9604665 **Close Date: 07/14/2005**
TT-Id: 520A-0045-353

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2561 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Federal Government
Caller Name: SHANTELL VINSON
DEC Investigator: TLDiaz

Spiller: UNKNOWN
Notifier Name: MR SMALLING
Caller Agency: DEP
Contact for more spill info: MR SMALLING

Spiller Phone:
Notifier Phone: (718) 345-8510
Caller Phone: (718) 595-6777
Contact Person Phone: (718) 345-8510

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

ate	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/09/1996		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:

the homeowner thinks it might be kerosene but could not be sure.the spill is coming through the floor of his house.the spill may be coming from a garage next door.

DEC Investigator Remarks:

7/14/05 Site inspection conducted. Property is now owned by Jacqueline Ellis who runs Jade Daycare (infant to after school program, licensed by NYC DOH) out of the residence. The current phone # is (718)922-2490. All listed phone numbers on spill report are no longer valid. The owner stated no smells or spills in the basement. The heating system was switched over to natural gas some time ago.

Map Identification Number 119 **SERVICE BOX 17775**
NEW YORK AV/BUFFALO AV
BROOKLYN, NY
Spill Number: 0003820 **Close Date: 09/27/2001**
TT-Id: 520A-0050-058

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2594 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: E NEW YORK AVE / BUFFALO AVE
Revised zip code: 11213

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: JIMMY FOX
DEC Investigator: JHOCONNE
Spiller: UNKNOWN
Notifier Name: MR NEVILLE
Caller Agency: CON ED
Contact for more spill info: JIMMY FOX
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
06/28/2000		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 QT OF UNK OIL IN SERVICE BOX - SAMPLE TAKEN CLEAN UP PENDING RESULTS - CON ED 132084

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con Ed e2mis Notes:

6/28/00 1 qt unknown oil on 30 gal water in service box. Sample taken and returned <1ppm PCBs.

6/29/00 Cleanup completed by double washing structure with slix. Liquids removed by tanker, solids by vactor. No leaking equipment was found. There was approx 5 ft of dirt in structure. Cemented drain. (KMF 10/9/01)

Map Identification Number 120 **VAULT # VS3365 EMIS 217974**
TROY AVE & PRESIDENT ST BROOKLYN, NY **Spill Number: 0905633** **Close Date: 09/24/2009**
TT-Id: 520A-0232-015

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2615 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: TROY AVE / PRESIDENT ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name:
DEC Investigator: Con Ed Unassigned
Spiller: UNKNOWN
Notifier Name:
Caller Agency:
Contact for more spill info: ERT
Spiller Phone:
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
08/13/2009		OTHER	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:

1 GALLON OF UNK OIL FOUND IN VAULT DURING CLEAN UP A EARTHEN SUMP WAS FOUND. CON ED # 217974.

DEC Investigator Remarks:

09/24/09 – See eDocs for Con Ed report detailing cleanup and closure.

Map Identification Number 121 **VS 3094**
CHURCH/54TH ST BROOKLYN, NY **Spill Number: 9814363** **Close Date: 03/12/1999**
TT-Id: 520A-0043-009

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2626 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: CHURCH AVE / E 54TH ST
Revised zip code: 11203

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:	MR PAVERELLI	Notifier Phone:	(212) 580-6763
Caller Name:	STEVE ROMERO	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	STEVE ROMERO	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
03/01/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Remarks:

CON ED 123-357. CLEAN UP PENDING SAMPLE TEST RESULTS.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con ed e2mis notes:

3/1/99-19:23HRS-A. MARTHIONE-14459-MECHANIC-U.G.-REPORTS FOUND APPROX 4 QTS UNKNOWN OIL IN VS-3094- CHURCH AVE AND E54 STREET

WHILE OUT WORKING ON FEEDER 3B84-NO WATER-CONTAINED TO STRUCTURE-NO SEWER CONNECTIONS-NO SEWERS OR WATERWAYS

AFFECTED-NO OIL FILLED EQUIPMENT IN STRUCTURE EXCEPT FOR TRANFORMER WHICH IS DEAD AND BEING REMOVED TOMORROW

MORNING IN AM-SUMP LOOKS AS THOUGH IT IS SEALED UP-NO PARKING RESTRICTIONS IN AREA-TOOK LIQUID SAMPLE WITH A 4-6 HOUR

PRIORITY AND PLACED ENV TAG 14370. NETWORK CREW ON THEIR WAY TO LOCATION TO PRESSURE TEST UNIT. WILL UPDATE WHEN UNIT IS

PRESSURE TESTED. HISTORICAL RECORDS SHOW UNIT TO BE 10PPM. CALLED BULLITT TO PICK UP SAMPLE (TRACKING# BD476). NOTIFIED CIG S. ROMERO @ 19:54HRS

UPDATE 22:00 3/1/99 B.THORGREN NETWORKS REPORTED DID PRESSURE TEST ON VS3094. VS FOUND NOT HOLDING PRESSURE.. FOUND HOLE ON BOTTOM OF UNIT. OIL IS TRANS. OIL NOT UNKNOWN OIL.WHEN UNIT IS REMOVED WILL NEED PAN TO PUT TRANS. IN.

LAB RESULT RECEIVED 3/2/99 - 0135. 99-02130. 5 PPM.

UPDATE: 3/2/99 -1645 - J. LIPORI - 11179 - ENV. OPS., REPORTS TRANSFORMER WAS REMOVED AND PLACED IN PAN THEN THE 5 PPM CLEANUP

WAS COMPLETED WITH SLIX AND TAG #14370 REMOVED. INCIDENT IS CLOSED.

Map Identification Number 122 **MANHOLE 18818** **Spill Number: 0505940** **Close Date: 10/12/2005**
CHURCH AVE/E 54 ST BROOKLYN, NY TT-Id: 520A-0037-859

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2626 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: CHURCH AVE / E 54TH ST
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Responsible Party
Caller Name: TIM PARKER
DEC Investigator: GDBREEN

Spiller: CON EDISON
Notifier Name: TIM PARKER
Caller Agency: CON ED
Contact for more spill info: ERT DESK'

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-8383

ory: 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
08/14/2005		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	8.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

clean up is pending lab samples. Con-Ed 160494

DEC Investigator Remarks:

e2mis no 160494

D. FAMIGLIETTA FOUND EIGHT GALLONS OF UNKNWON OIL ON 50 GALLONS OF WATER IN M18818. AT THIS TIME OIL APPEARS TO BE CONTAINED AND NO SEWERS OR WATERWAYS WERE AFFECTED. ENV STOP TAG# 42357 WAS PLACED, AND THE STANDING WATER THAT IS PRESENT HAS NO MOVEMENT. UNABLE TO DETERMINE IF THERE IS ANY SEWER CONNECTIONS OR SUMPS AND ONE LIQUID SAMPLE WAS TAKEN ON A. CLEANUP PENDING LAB SAMPLES.

Closed. 10-12-05. see eDocs. GB



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 123 **154 E 49TH ST**
M. FELSENSTEIN 154 E 49ST
BROOKLYN, NY
Spill Number: 9301955 **Close Date: 05/11/1993**
TT–Id: 520A–0043–415

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: 154 E 49TH ST
Revised zip code: 11203

Source of Spill: PRIVATE DWELLING
Notifier Type: Responsible Party
Caller Name: WALTER URBIN
DEC Investigator: O'DOWD

Spiller: BAREANKLAU OIL
Notifier Name:
Caller Agency: BAREANKLAU OIL
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 647–4200
Contact Person Phone:

Class: 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
05/11/1993	05/11/1993	HUMAN ERROR	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	SOIL

Caller Remarks:

WHEN DRIVER PULLED NOZZLE OUT OF FILL PIPE SPILLED SOME OIL SEVICEMAN ENROUTE TO COMPLETE CLEAN UP NO CALL BACK NECESSARY.

DEC Investigator Remarks:

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

Map Identification Number 124 **HESS 32534**
530 UTICA AVE
BROOKLYN, NY

Spill Number: 1002461 **Close Date: 06/03/2010**
TT-Id: 520A-0252-643

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 171 feet to the NE*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	GASOLINE STATION	Spiller:	MICHAEL MATRI - HESS 32534	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	smsanges	Contact for more spill info:	MICHAEL MATRI	Contact Person Phone:	(732) 750-6432

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
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
06/03/2010		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	3.00	GALLONS	0.00	GALLONS	

Caller Remarks:

captured in seconday containmnet due to leaking flex. Repair and clean up on going.

DEC Investigator Remarks:

minor spill - contained - closed

Map Identification Number 125 **SPILL NUMBER 0103603**
IFO 575 UTICA AVE
BROOKLYN, NY

Spill Number: 0103603 **Close Date: 07/19/2001**
TT-Id: 520A-0043-285

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 373 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 575 UTICA AVE
Revised zip code: 11203

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: ELIE SAINT-JEAN
DEC Investigator: TJDEMEO

Spiller: UNKNOWN
Notifier Name:
Caller Agency: NYC DEP HAZMAT
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 595-4653
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
07/03/2001		ABANDONED DRUM	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	30.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

DRUM FOUND ON STREET. CLEANUP DONE BY SANITATION DEPT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
REF. 103585.

7/19/2001

Drum emptied see spill # 9930008

Map Identification Number 126 **575 UTICA AVE**
575 UTICA AVE
BROOKLYN, NY

Spill Number: 0103585 **Close Date: 06/30/2003**
TT-Id: 520A-0040-046

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 373 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Federal Government
Caller Name: TASHA GERENA
DEC Investigator: TJDEMEO

Spiller: UNKNOWN - UNKNOWN
Notifier Name: FIRE DEPT
Caller Agency: DEP
Contact for more spill info:

Spiller Phone:
Notifier Phone:
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 - 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
07/03/2001		ABANDONED DRUM	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 repoting the fire dept is on scene with abandon drums of unk oil no spillage req pick up of drums nothing further from dep.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
6/30/03 TJD

Drums emptied as part of "drum run". No further action required.

Map Identification Number 127 **AMOCO GAS**
529 UTICA AVE/GLENWOOD RD
BROOKLYN, NY
Spill Number: 9711395 **Close Date: 02/04/1998**
TT-Id: 520A-0043-500

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 426 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 529 UTICA AVE
Revised zip code: 11203

Source of Spill: PASSENGER VEHICLE
Notifier Type: Fire Department
Caller Name: BOB HUNTER
DEC Investigator: MMMULQUE
Spiller: CAROLYNE MARTIN
Notifier Name:
Caller Agency: NYC FIRE HAZMAT
Contact for more spill info: ABOVE CALLER
Spiller Phone: (516) 485-5206
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 - 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
01/10/1998		EQUIPMENT FAILURE	2-337927	NO	NO

...rial ...ed	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	20.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

hole in gas tank from gun shot spill to ground and sewer fire dept on scene spill contained cleanup in progress

DEC Investigator Remarks:

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

Map Identification Number 128 **RESIDENCE**
135 EAST 45T ST
BROOKLYN, NY
Spill Number: 0513998 **Close Date: 03/10/2006**
TT-Id: 520A-0045-742

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 451 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 135 E 45TH ST
Revised zip code: 11203

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name: RICH TURCHIANO
DEC Investigator: SMSANGES

Spiller: RICH TURCHIANO - RESIDENCE
Notifier Name: RICH TURCHIANO
Caller Agency: MADDISON OIL
Contact for more spill info: RICH TURCHIANO

Spiller Phone: (917) 731-4074
Notifier Phone: (718) 444-3400
Caller Phone: (718) 444-3400
Contact Person Phone: (917) 731-4074

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
03/07/2006		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

Remarks:

IN THE GARAGEOF THE HOUSE, THE STORAGE TANK IS IN THERE AS WELL, SEEMS TO BE A LEAK FROM EITHER FILL LINE OR THE FILTER. CLEAN UP IS IN PROGRESS. BETWEEN 5 AND 10 GALLONS

DEC Investigator Remarks:

Leak from a filter assembly. Drip onto garage floor, oil stain on floor was cleaned. Oil company is working with homeowner to remove oil contaminated cardboard boxes.

Map Identification Number 129 **DRUM RUN**
831 MAPLE ST
ON SIDEWALK
BROOKLYN, NY

Spill Number: 1212299 **Close Date: 01/09/2013**
TT-Id: 520A-0280-990

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (4)
Approximate distance from property: 563 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name:
DEC Investigator: RMPIPER

Spiller: IHAB TAWADROUS - DEP HAZMAT
Notifier Name:
Caller Agency:
Contact for more spill info: IHAB TAWADROUS

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (347) 386-3198

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
11/20/2012		ABANDONED DRUM	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTE OIL/USED OIL	PETROLEUM	110.00	GALLONS	110.00	GALLONS	

Caller Remarks:

2 full 55 gallon drums were found abandoned at above location by DEP HazMat.

DEC Investigator Remarks:

pumped 12/18/12. closed.

Map Identification Number 130 **SUNY BROOKLYN BOILER ROOM**
760 CLARKSON AVE
BROOKLYN, NY
Spill Number: 1216413 **Close Date: 03/19/2013**
TT-Id: 520A-0286-211

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (4)
Approximate distance from property: 656 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name:
DEC Investigator: SMSANGES
Spiller: SUNY BROOKLYN
Notifier Name:
Caller Agency:
Contact for more spill info: PHILIP CHANIAN
Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (718) 270-2360

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 - No DEC Field Response - Corrective Action by Spill Response Not Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/15/2013		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	

Caller Remarks:

in basement - cleanup in progress

DEC Investigator Remarks:

Spill in boiler room floor. Cleanup complete. No drains impacted.

Map Identification Number 131 **UTICA TAXI CENTER** **Spill Number: 9812483** **Close Date: 11/03/2003**
465 UTICA AVE BROOKLYN, NY TT-Id: 520A-0042-265

MAP LOCATION INFORMATION
Location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 680 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	BENNY - BHI GAS COMPANY	Spiller Phone:	(718) 444-6005
Notifier Type:	Fire Department	Notifier Name:	MR GAGLIANO	Notifier Phone:	(917) 769-0483
Caller Name:	HOWARD LEVY	Caller Agency:	DEP	Caller Phone:	(718) 595-6700
DEC Investigator:	RWAUSTIN	Contact for more spill info:	JOE OR BENNY	Contact Person Phone:	(718) 531-5866

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
01/09/1999		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

DELIVER TRUCK OVERFILLED TANK CAUSING GASOLINE TO SPILL ON THE STREET AND SOME IN THE SEWER. CLEAN UP IS PENDING.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"
1/9/999 mmm: ON SCENE AT 05:15. ACCORDING TO FDNY, DELIVERY CAME IN AT 10:30-11:00 PM NIGHT BEFORE. AFTER DELIVERY, GASOLINE ODOR WAS NOTED, FDNY CALLED IN AROUND 11:30 PM, DEC NOTIFIED AT 4:09 AM. SPILL WAS ABOUT 100 GALLONS IN STREET. FDNY DIKED AND TRIED TO KEEP GASOLINE OUT OF SEWERS BUT HEAVY RAIN AND MELTING SNOW ALLOWED GASOLINE TO ENTER INTO SEWER. UTICA TAXI DENIED ANY RESPONSIBLITY FOR DISCHARGE. AT 05:15, FDNY WAS ACTIVELY FLUSHING SEWERS AND GASOLINE USING TWO FIRE HYDRANTS ALONG STREET. UTICA TAXI HAS 2 x 4,000 USTs WITH LEAK DETECTION AND HIGH LEVEL ALARMS - COMPLIANCE WITH EPA 1998 REGULATIONS. EACH TANK HAS AN 84" DIAMETER. STUCK TANKS AND FOUND TANK 1 HAD 65" AND TANK 2 HAD 71" PRODUCT. CHECKED HIGH LEVEL ALARM AND VENT PIPES AND DETERMINED THAT BOTH OVERFILL SYSTEMS WERE WORKING. APPEARS THAT TANKS WERE NOT OVERFILLED. GASMAN FOR UTICA TAXI STATED THAT HIGH LEVEL ALARM NEVER WENT OFF DURING DELIVERY. ALSO STATED THAT BHI SENT A NEW DRIVER TO THE LOCATION, AND DELIVERY WAS VERY LATE, DUE TO WEATHER. UNABLE TO ASCERTAIN EXTENT AND LOCATIONS OF SPILL DUE TO FDNY ACTIVITIES ON THE SITE,AND SEWER FLUSHING. DID OBSERVE GASOLINE FROM TAXI STAND FILL AREA, DOWN DRIVEWAY, AND ALONG THE STREET INDICATING THAT DRIVER MAY HAVE NOT CLEARED DELIVERY HOSE, VAPOR RECOVERY HOSE, OR OTHER MECHANICAL DEVICE WHICH CAUSED RELEASE OF GASOLINE FROM DELIVERY TRUCK.

UTICA TAXI CLEANED UP REMAINING GASOLINE AND SPEEDI DRY IN STREET. BENNY FROM BHI INDICATED THAT HE WAS HIRING TYREE FOR DISPOSAL OF GASOLINE CONTAMINATED MATERIALS.

3/1/09 mmm: COPY OF SPILL REPORT TO DEP ICS - GORDON.

3 - AUSTIN - ACCORDING TO ABOVE NOTES, SPILL CLEANUP COMPLETED - CLOSED - ORIG. ASSIGNED TO MULQUEEN - END

Map Identification Number 132 **NYCHA**
728 EAST NEW YORK AVE. BROOKLYN, NY

Spill Number: 0800425 **Close Date: 05/06/2008**
TT-Id: 520A-0215-896

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1312 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	FPRAGUE OIL COMPANY	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	jbvought	Contact for more spill info:	FRANK INOA	Contact Person Phone:	(917) 331-0475

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
04/10/2008		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	320.00	GALLONS	0.00	GALLONS	SEWER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	8000	Unknown	0.00	UNKNOWN

Caller Remarks:

During the delivery ... overfilled the tank. Clean Venture was called for clean up. Caller says the sewer was probably impacted.

DEC Investigator Remarks:

04/11/08-Vought-Off hours responder. Vought performed site visit and NYCHA vacuum truck onsite and Clean Ventures also onsite. Prior to site visit Vought received call from Anthony Natole (Sprague Oil 917-807-0358) and Anthony stated that NYCHA and Sprague were onsite during time of delivery and NYCHA determined amount of oil to be delivered and ordered 3200 gallons. UST and vent [illegible] to overfill at 2700 gallons and NYCHA admitted to calculation error as per Natole. As per Natole, overfill alarm does not work. DEP Enzo Catanzaro notified of spill to sewer. Limited soil excavation taking place on soil around ventpipe and soil around UST pad. Spill out of vent on soil and spill also out of UST stickport which ran down grass hill and settled in catch basin in parking lot of NYCHA building. Clean ventures also onsite (Thomas Indio Ph:908-355-5800 Fax:908-355-3495). Contaminated soil letter sent to Ralph Trocchio(NYCHA 718-707-5725), also onsite. Letter sent with one month due date to:

Ralph Trocchio
NYCHA Technical Services
Oil Remediation Unit
23-02 49th Avenue, 5th Floor
Long Island City, NY 11101
Fax: (718) 707-5288

DEC requires: 1)PID survey of soil excavation. No endpoints required as oil did not have much time for infiltration due to steep slope of hill 2)send out CSL.

05/06/08-Vought-Received email closure report from NYCHA Trocchio dated 5/6/08. As per DEC requirements soil was excavated and PID readings were taken in place of endpoint samples due relatively small area of soil contamination. Disposal manifests also included. "The cause of the oil spill was an error on (vendor) Star Engergy, Inc.". Clean Ventures hired by NYCHA to excavate soil and backfill. A total of 65 cubic yards of soil was removed. A monitoring well adjacent to the tank was inspected and groundwater at depth of 14'6" and was clean based on visual observations. Request to close spill. Final PID readings at terminus of excavation up to 3.2ppm. Spill closed by Vought due to removal of contaminated soil and low PID readings taken at limits of excavation and no adjacent sensitive receptors. NFA sent to above address.

Map Identification Number 133 **PS 221**
791 EMPIRE BOULEVARD
BROOKLYN, NY
Spill Number: 9812629 **Close Date: 01/13/1999**
TT-Id: 520A-0051-501

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1453 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: ANTHONY LARA
DEC Investigator: MCTIBBE
Spiller: OIL COMPANY
Notifier Name:
Caller Agency: PETROLEUM TANK CLEANERS
Contact for more spill info: FRANK CARDELLO
Spiller Phone:
Notifier Phone:
Caller Phone: (718) 624-6934
Contact Person Phone: (718) 391-6832

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
01/13/1999		TANK OVERFILL	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:

CALLER STATES THAT AN UNKNOWN OIL COMPANY OVERFILLED THE TANK DURING DELIVERY. CREWS ARE ENROUTE TO BEGIN CLEAN UP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
1/13/99 1530 MUCH LESS THAN 100 GALLONS. CREW FINISHED CLEANUP. SPRAYED OUT VENT ONTO GRASS AND A GRATED VAULT. DUG UP GRASS AND SOIL AND CLEANED VAULT.

Map Identification Number 134 **APT BLDG**
757 EMPIRE BLVD
BROOKLYN, NY
Spill Number: 0811101 **Close Date: 03/05/2009**
TT-Id: 520A-0223-924

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 1504 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	JOE LAROCCA – 757 EMPIRE BLVD REALTY	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	SFRAHMAN	Contact for more spill info:	JOE OSTROWSKI	Contact Person Phone:	(718) 624-4842

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
01/06/2009		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

Remarks:

CALLER STATES THAT A 5000 GALLON TANK FAILED. THE TANK IS IN A VAULT IN THE BASEMENT OF THE APT BLDG. SPILL OCCURED TO SOIL. CLEAN UP IS PENDING, SPILL IS CONTAINED TO THE VAULT ROOM.

DEC Investigator Remarks:

1/7/08–Vought–DEC Rahman performing site visit. DEC Piper had conversation earlier with PTC Ostrowski who indicated that PTC arrived on site but was refused access by owner to perform work and as such did not perform the cleanup.

01/07/09 I visited the tank room this morning.5,000 gallon AST sitting on soil/debris.Super Aaron told me that while doing some work they discovered petroleum contaminated soil around the tank.I did not observe any petroleum odor in the tank room.There was no evidence of spill on the surface.Tank might be leaking at the bottom that is in touch with soil. I spoke with building owner Mr.Joseph La Rocca, who is out of the town now.I explained to him that DEC requires the following:
1) Soil investigation around the tank for potential release from the tank bottom and removal of contaminated soil if any.
2) Tightness testing of the tank and system,tank looks corroded.

Mr. Rocca indicated that the heating system will be converted to gas in near future and permit paper work will be submitted to DOB and DEC.

Spill investigation and clean up letter was sent to

757 Empire Realty Corporation
944 42nd Street
Brooklyn, NY 11219
Attn: Joseph Larocca

(sr)

01/14/09 Rec'd call from Diana(ABC Tank)stating that they have been hired to perform the work specified in DEC letter.(sr)

03/05/09 ABC tank removed the 5,000 gallon AST,also removed contaminated soil,debris from around the tank.Three soil samples were taken from the tank area.Results provided, residual contamination minor in magnitude.Waste manifest provided.Case closed.Report in edocs.(sr)

Map Identification Number 135 **VAULT VS3167** **Spill Number: 0903187** **Close Date: 07/23/2009**
RUTLAND RD AND EAST 93 ST BROOKLYN, NY TT-Id: 520A-0229-701

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1662 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: RUTLAND RD / E 93RD ST
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CONED	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Name:		Caller Agency:		Caller Phone:	
Investigator:	RWAUSTIN	Contact for more spill info:	ERT	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: 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
06/17/2009		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
TRANSFORMER OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	

Caller Remarks:

unknown if PCB oil/spill contained to vault area/clean up has been sch.

DEC Investigator Remarks:

7/23/09 – Austin – Transformer bottom blew out, spiling oil – Spill cleaned up by Con Ed – see EMIS in eDocs. – end

Map Identification Number 136 **PRIVATE RESIDENCE**
806 ALBANY AVENUE
BROOKLYN, NY 11203-3002
Spill Number: 0751248 **Close Date: 01/02/2008**
TT-Id: 520A-0210-568

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2106 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Affected Persons
Caller Name:
DEC Investigator: RMPIPER
Spiller:
Notifier Name:
Caller Agency:
Contact for more spill info: ANDY LIPTON
Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (845) 267-2400

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
12/20/2007		HUMAN ERROR	NO	NO

N ATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

DEC Piper spoke with homeowner. The oil co had cleaned up the spill and vapors have resided. The owner is happy with the cleanup and is asking for no additional help from DEC. see 0710072 closed.

Map Identification Number 137 **PRIVATE RESIDENCE**
218 EAST 54TH ST
BROOKLYN, NY
Spill Number: 1009302 **Close Date: 09/06/2011**
TT-Id: 520A-0258-089

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2242 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name:
DEC Investigator: RMPIPER
Spiller: ORLANDO HARPER - ORLANDO HARPER
Notifier Name:
Caller Agency:
Contact for more spill info: ORLANDO HARPER
Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (718) 485-2892

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
11/29/2010		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	550.00	GALLONS	0.00	GALLONS	

Caller Remarks:

One, 275 gallon tank is leaking, the other 275 tank is porous, Home owner refused a pump out.

DEC Investigator Remarks:

anifolded 275's. one is weaping.Owner to replace tomorrow.

DEC Piper received documentation that tank was purged and removed. Residents on natural gas. Spill closed.

Map Identification Number 138 **497-505 LINDEN BLVD**
497-505 LINDEN BLVD
BROOKLYN, NY

Spill Number: 9306823 **Close Date: 09/03/1993**
TT-Id: 520A-0046-873

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2470 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Local Agency
Caller Name: LT. KALMAN
DEC Investigator: CAMMISA
Spiller: UNK
Notifier Name:
Caller Agency: NYC DOT.
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone: (212) 608-3991
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
09/03/1993	09/03/1993	DELIBERATE	UNKNOWN	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

SOOT & ASH FALLING ON STREET & SMOKE INTO AIR. NYC DEP AIR COMPLAINT.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

10/10/95: This is additional information about material spilled from the translation of the old spill file: DARK SMOKE.

Identification Number 139 **APARTMENT COMPLEX**
1497 CARROLL STREET
BROOKLYN, NY

Spill Number: 9912103 **Close Date: 04/30/2004**
TT-Id: 520A-0042-489

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2492 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: DAVID ROSNER
DEC Investigator: TJDEMEO

Spiller: DAVID ROSNER - COUNTY OIL
Notifier Name: SAME
Caller Agency: COUNTY OIL
Contact for more spill info: HAGAR MANAGMENT

Spiller Phone: (718) 626-7000
Notifier Phone:
Caller Phone: (718) 626-7000
Contact Person Phone: (718) 782-0579

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
01/19/2000		EQUIPMENT FAILURE	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:

THEY SOME TYPE OF PROBLEM WITH THE TANK THEY BELIEVE 200 GALLONS WAS SPILLED.THE SPILL IS CONTAINED IN THE BASEMENT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
On 1/19/00, Spills Staff (Saccacio) responded to a 200 gallon No. 2 fuel oil overfill into the tank vault and onto soil outside of Carroll St. in Brooklyn. Upon inspection of the tank vault, Spills Staff (Saccacio) discovered that the tank had been leaking oil for some time. The tank was emptied and repaired and the spill was cleaned up by Petroleum Tank Cleaners Inc.

PTC drilled two hole through the tank vault floor and found no contanation. The soil outside the building was excavated and endpoint samples were collected. On 3/8/00, I called Bob Abramo from PTC and reqeusted a copy of the sample results.

5/1/02

Reassigned from Saccacio to DeMeo.

DeMeo reviewed closure report, several deficiencies noted: including no site diagram, incomplete analytical data, insufficent information regarding sampling. etc. Josh Rhine (Meredian Capital) contacted to verbally inform him of defeciencies as Meredian has requested accelerated review to expedite real estate transaction. Josh states he will provide missing information within a few days.

4/30/04 TJD

Omega Environmental Consulting submitted a closure report with requested missing information on 8/21/02. Closure report was not forwarded to DeMeo but instead was given to Tibbe. Report was then frorwarded to DeMeo's attention on 4/6/04. Information submitted is adequate to support spill closure. Endpoint sample laboratory analysis reveal all target TAGM compounds are below TAGM guidance values. No further action is required. Spill closed.

Map Identification Number 140 **SPILL NUMBER 9712734**
5018 CHURCH AVE

Spill Number: 9712734 **Close Date: 02/19/2003**
BROOKLYN, NY TT-Id: 520A-0042-085

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2492 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	DAVID COOPER – COOPER FUEL OIL CO	Spiller Phone:	(718) 455-3595
Notifier Type:	Local Agency	Notifier Name:	WELLS – DRIVER	Notifier Phone:	(718) 455-3595
Caller Name:	DAVID COOPER	Caller Agency:	COOPER FUEL OIL CO	Caller Phone:	(718) 455-3595
DEC Investigator:	TOMASELLO	Contact for more spill info:	DAVID COOPER	Contact Person Phone:	(718) 455-3595

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
02/13/1998		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

Remarks:

hose pipe on truck broke depositing fuel onto concrete roadway at a private residence – fd on scene and spill contained they say only 15 gal involved – highway dept on scene – cleanup to be arranged

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

Map Identification Number 141 **INOCENT RES.** **Spill Number: 0009894** **Close Date: 06/17/2003**
1073 CLARKSON AVE BROOKLYN, NY TT-Id: 520A-0039-915

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 2604 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	MR INNOCENT – INOCENT RES.	Spiller Phone:	(718) 485-6138
Notifier Type:	Other	Notifier Name:	KEVIN HUNTER	Notifier Phone:	
Caller Name:	KEVIN HUNTER	Caller Agency:	PETRO OIL	Caller Phone:	(800) 645-4328
DEC Investigator:	MXTIPPLE	Contact for more spill info:	MR INNOCENT	Contact Person Phone:	(718) 485-6138

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
12/01/2000		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	110.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

caller co responded to above because res was out of gas after a delivery 2 days ago. 110 gallons have spilled entire spill has drained into the sewer

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
12/01/2000 A SITE VISIT REVEALED THAT THE SPILL CONSISTED OF LESS THAN A GALLON OF #2 OIL

OF CLEANUP CONTRACTORS WAS SENT TO THE HOMEOWNER.

HOMEOWNER WILL CALL WHEN CLEANUP COMPLETE

6/5/03 tipple sent documentation request.

6/17/03 PHOTOGRAPHS and written documentation supplied by owner/nfa

Map Identification Number 142 **KINGS COUNTY HOSPITAL**
451 CLARKSON AVENUE
BROOKLYN, NY

Spill Number: 9111091 **Close Date: 12/01/2002**
TT-Id: 520A-0052-134

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 2621 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11203

Source of Spill: NON-MAJOR FACILITY (>1100 GAL)
Notifier Type: Responsible Party
Caller Name: DALE PRITY
DEC Investigator: SIGONA

Spiller: CHARLES ABRUZZO - HEALTH & HOSPITAL CORP
Notifier Name:
Caller Agency: KINGS CO HOSP.
Contact for more spill info:

Spiller Phone: (718) 245-2953
Notifier Phone:
Caller Phone: (718) 245-2946
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
01/22/1992		EQUIPMENT FAILURE	2-601504	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	150.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CONTAINED IN PUMP ROOM. HOSPITAL PERSONNEL TO CLEAN UP.

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

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
9410977	882 E. NEW YORK AVE	882 E. NEW YORK AVE	BROOKLYN
9305975	450 UTICA STREET	450 UTICA STREET	BROOKLYN
0101588	MANHOLE 21672	E NY AVE AND SCHENECTADY	BROOKLYN
1300200	MANHOLE #59548	RUTLAND RD & TROY AVE	BROOKLYN
9912420	SPILL NUMBER 9912420	211 EAST 51ST ST	MANHATTAN
1203616	TOGANS RESIDENCE – PETRO	262 EAST 48TH ST	BROOKLYN
0507046	SHEPPARD RESIDENCE	262 E 49TH ST	BROOKLYN
9405995	735 SCHENECTADY AVE	735 SCHENECTADY AVE	BROOKLYN
1201774	CLARK RESIDENCE	735 SCHENECTADY AVE	BROOKLYN
0012387	MH 2573	887 EAST NEW YORK AVE	BROOKLYN
1202025	OIL SPILL IN BASEMENT OF VACANT HOUSE	269 EAST 48TH ST	FLATBUSH-BROOKLYN
9711234	456 SCHENECTADY AVE	456 SCHENECTADY AVE	BROOKLYN
9512331	698 MAPLE ST	698 MAPLE ST	BROOKLYN
1111812	OIL RESIDUE OUTSIDE 275-GALLON AST	691 LENNICKS ROAD	BROOKLYN
0813745	CON ED MANHOLE 61341	EAST 49TH ST AND LENOX ROAD	BROOKLYN
0502961	EMPIRE BLVD	EMPIRE BD/UTICA AVE	BROOKLYN
0104756	EMPIRE BLVD AND	UTICA AVE	BROOKLYN
0702451	ONE QT OIL IN MANHOLE # 22177	149 REMSEN AVENUE	BROOKLYN

0208333	BETWEEN ALBANY & TROY AVE	ROCKLAND RD	BROOKLYN
0612516	PRIVATE HOME	51 EAST 53RD ST	BROOKLYN
9605439	NEW YORK AVE/E. 91ST AVE	NEW YORK AVE/E. 91ST AVE	BROOKLYN
0802582	DRUM RUN	665 RUTLAND RD	BROOKLYN
9407154	RUTLAND HOUSES -NYCHA	955 RUTLAND RD	BROOKLYN
9516298	299 EAST 49TH ST	299 EAST 49TH ST	BROOKLYN
0311659	RESIDENCE	401 SCHENECTADY AVE	BROOKLYN
0503728	GOOD YEAR DEALER	741 UTICA AVE	BROOKLYN
9506427	710 FENIMORE STREET	710 FENIMORE STREET	BROOKLYN
0801250	PRIVATE RESIDENCE	27 EAST 43RD ST	BROOKLYN
0914221	216865; LENOX RD AND TROY AVE	LENOX RD AND TROY AVE	NEW YORK
1202396	HYDRAULIC SPILL ON ROADWAY	REMSEN AVE AND WINTHROP AVE	BROOKLYN
0905401	DRUM RUN	920 MONTGOMERY ST- IN BACK OF	BROOKLYN
0306328	MANHOLE 43564	MONGOMERY ST AND UTICA AV	BROOKLYN
0208551	VAULT # 5975	EAST 92ND ST/RUTLAND RD	BROOKLYN
0108262	SPILL NUMBER 0108262	92ND ST & NEW YORK AVE	MANHATTAN
9712421	PS 221	791 EMPIRE BOULEVARD	BROOKLYN
9401043	42 E. 43RD STREET	42 E. 43RD STREET	BROOKLYN
9508585	KINGSBORO PHY CENTER	323 EAST 48TH ST	BROOKLYN
[illegible]72	MANHOLE # 30739	1021 MONTGOMERY STREET	BROOKLYN
[illegible]72	1037 MONTGOMERY ST	1037 MONTGOMERY STREET	BROOKLYN
9904899	VAULT 3393	WINTHROP ST & E 91ST ST	BROOKLYN
9514495	712 CROWN STREET	712 CROWN STREET	BROOKLYN
9512964	COURT YARD	712 CROWN STREET	BROOKLYN
9311301	708 EMPIRE BLVD.	708 EMPIRE BLVD	BROOKLYN
9207524	708 EMPIRE BLVD.	708 EMPIRE BLVD	BROOKLYN
9103788	708 EMPIRE BLVD/BKLYN	708 EMPIRE BLVD	NEW YORK CITY
0108502	APARTMENT BUILDING	720 LINDEN BLVD	BROOKLYN
0403729	VAULT TM1600	LINDEN BLVD	BROOKLYN
8605481	FRITZ MATHESON	117 E 93 AVE	NEW YORK CITY
9513677	SCHENECTADY AVE/CROWN	SCHENECTADY AVE /CROWN ST	BROOKLYN
0011755	PUBLIC SCHOOL 135K	686 LINDEN BLVD	BROOKLYN
9705696	LINDEN BLVD + TROY AVE	LINDEN BLVD + TROY AVE	BROOKLYN
9515339	366 UTICA AVENUE	366 UTICA AVENUE	BROOKLYN
0011977	PS 91	532 ALBANY AVE	BROOKLYN
0300345	EAST 94TH STREET AND	EAST NEW YORK AVE	BROOKLYN
9500573	1015 RUTLAND ROAD	1015 RUTLAND ROAD	BROOKLYN
0603301	MANHOLE #3800	CROWN STREET & TROY AVENUE	BROOKLYN
0604724	MANHOLE 3029	WINTHROP STREET & EAST 93 STREET	BROOKLYN
0408083	MANHOLE #3029	WINTHROP STREET AND EAST	BROOKLYN
1203287	PAVEMENT	CARROLL ST AND UTICA AVE	BROOKLYN
0109166	MANHOLE #63393	UTICA & CARROLL ST	BROOKLYN
0508796	MANHOLE #3373	EAST 91ST AND CLARKSON AVE	BROOKLYN
9506517	1578 CARROLL STREET	1578 CARROLL STREET	BROOKLYN

0710735	RICHARDSON	806 ALBANY AVE	BROOKLYN
0710073	RESIDENCE	806 ALBANY AVE	BROOKLYN
0710072	PRIVATE RESIDENCE	806 ALBANY AVE	BROOKLYN
0809631	LEWIS RESIDENCE	139 EAST 94TH ST	BROOKLYN
0912147	1639 CARROLL STREET	1639 CARROLL STEET	BROOKLYN
0502689	STREET SPILL	EAST NY AVE/ EAST 95TH ST	BROOKLYN
9515904	285 E 91ST ST	285 E 91ST ST	BROOKLYN
0912218	BRIDGET LEWIS	1683 CAROLL ST	BROOKLYN
9512945	61 EAST 95HT STREET	61 EAST 95TH STREET	MANHATTAN
8709022	1577 CARROLL ST/BKLYN	1577 CARROLL ST	BROOKLYN
9706360	4723 CHURCH AVE	4723 CHURCH AVE	BROOKLYN
0708992	BASEMENT OIL SPILL	62 EAST 40TH ST	BROOKLYN
9504264	4513 CHURCH AVENUE	4513 CHURCH AVENUE	BROOKLYN
9003609	78 EAST 79TH ST/BROOKLYN	78 EAST 39TH STREET	NEW YORK CITY
9701954	GETTY	607 EAST NEW YORK AVE	BROOKLYN
9514418	LDG GASOLINE	607 EAST NEW YORK AVENUE	BROOKLYN
9507948	365 REMSEN AVE	365 REMSEN AVE	BROOKLYN
0108429	VS# 3257	CHURCH AVE/SCHENECTADY AVE	BROOKLYN
0004324	SPILL NUMBER 0004324	195 EAST 94TH ST	BROOKLYN
[illegible]37	VAULT 6084	4321 CHURCH AVE	BROOKLYN
[illegible]35	1492 CAROL ST	1492 CARROLL ST	BROOKLYN
9408898	1492 CARROLL ST	1492 CARROLL ST	BROOKLYN
1008939	219866; WINTHROOP ST	WINTHROOP ST	BROOKLYN
9809334	SPILL NUMBER 9809334	E 38TH ST/CLARKSON AVE	NEW YORK
0009770	SPILL NUMBER 0009770	E 38TH ST/CLARKSON AVE	BROOKLYN
8909511	1560 PRESIDENT ST / BKLN	1560 PRESIDENT ST	BROOKLYN
9407516	1497 CARROLL STREET	1497 CARROLL STREET	BROOKLYN
9416644	451 KINGSTON AVENUE	451 KINGSTON AVENUE	BROOKLYN
0313732	CHURCH	4510 CHURCH AVE	BROOKLYN
0505612	MANHOLE 766	LEFFERTS AV/ KINGSTON AV	BROOKLYN
9202233	1100 WINTHROP PLACE	1100 WINTHROP PLACE	BROOKLYN
0302771	VAULT #4103	E 43RD ST & CHURCH AVE	BROOKLYN
0413247	MANHOLE 3051	218 EAST 95TH ST	BROOKLYN
9303818	1073 CLARKSON AVE	1073 CLARKSON AVE	BROOKLYN
9100692	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	BROOKLYN
9011870	KINGS COUNTY HOSPITAL	451 CLARKSON AVENUE	BROOKLYN
1001467	DRUM RUN	BEHIND 551 CROWN ST-	BROOKLYN



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 143 **KINGSBROOK JEWISH MEDICAL CENTER** **Facility Id: 2-109126** **Source: NYS DEC**
585 SCHENECTADY AVENUE BROOKLYN, 11203-1891 TT-Id: 640A-0012-613

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

Facility Type: Other
Site Status: Active
Expiration Date of the facility's registration certificate: 08/17/2017
Operator Name: R.LEONARD BALGOBIN
Operator Phone #: (718) 604-5000
Name: R. LEONARD BALGOBIN - DIRECTOR, FACILITIES MNGT.
Company: KINGSBROOK JEWISH MEDICAL CENTER
Owner Type: Corporate or Commercial
Owner Address: 585 SCHENECTADY AVE, BROOKLYN, NY 11203-1891

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#4 Fuel Oil	20000	Underground	01/01/1976	02/29/2008	
002	In Service	#6 Fuel Oil	40000	Underground	01/01/1962		
003	In Service	Diesel	1000	Aboveground - In Contact with Soil	02/01/2002		
003-A	Closed - Removed	Diesel	1000	Underground	01/01/1976		06/24/2002
004	In Service	Diesel	500	Aboveground - In Contact with Soil	02/01/2002		
004-A	Closed - Removed	Diesel	500	Underground	01/01/1962		06/24/2002
005	In Service	Diesel	2500	Underground Vaulted with Access	02/01/1991		

TANK NUMBER: 001 TANK TYPE: Steel/Carbon Steel/Iron TK INT. PROTECTION: None
TANK EXT. PROTECTION: None TANK LEAK DETECTN: None TK SEC. CONTAINMNT: None
PIPING EXT. PROTECTN: None PIPING LEAK DETECTN: Exempt Suction Piping PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron PIPING LOCATION: No Piping
OVERFILL PROTECTION: Product Level Gauge (A/G) SPILL PREVENTION: DISPENSER METHOD: Suction

TANK NUMBER: 002 TANK TYPE: Steel/Carbon Steel/Iron TK INT. PROTECTION: None
TANK EXT. PROTECTION: None TANK LEAK DETECTN: None TK SEC. CONTAINMNT: None
PIPING EXT. PROTECTN: None PIPING LEAK DETECTN: Exempt Suction Piping PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron PIPING LOCATION: No Piping

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

OVERFILL PROTECTION:	Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	Suction
TANK NUMBER:	003	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	No Piping		
OVERFILL PROTECTION:	None	SPILL PREVENTION:	Catch Basin	DISPENSER METHOD:	Suction
TANK NUMBER:	003-A	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	No Piping		
OVERFILL PROTECTION:	Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	Suction
TANK NUMBER:	004	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	No Piping		
OVERFILL PROTECTION:	None	SPILL PREVENTION:	Catch Basin	DISPENSER METHOD:	Suction
TANK NUMBER:	004-A	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	None	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	No Piping		
OVERFILL PROTECTION:	Product Level Gauge (A/G)	SPILL PREVENTION:		DISPENSER METHOD:	Suction
TANK NUMBER:	005	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Imperv. Barrier/Concrete Pad (A/G)	TK SEC. CONTAINMNT:	Vault (w/o access)
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Steel/Carbon Steel/Iron	PIPING LOCATION:	Aboveground		
OVERFILL PROTECTION:	Vent Whistle	SPILL PREVENTION:		DISPENSER METHOD:	Suction

Map Identification Number 144 **HARRY SILVER HOUSING CO.**
828 MIDWOOD STREET
BROOKLYN, 11203

Facility Id: 2-199095 **Source: NYS DEC**
TT-Id: 640A-0012-854

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 166 feet to the N*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 07/10/2007
Operator Name: MR. HORACE HENRY

Operator Phone #: (718) 774-6333

Owner Name:
Owner Company: HARRY SILVER HOUSING COMPANY INC
Owner Address: 828 MIDWOOD ST, BROOKLYN, NY 11203
Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	6000	Underground Vaulted with Access	12/01/1991		
001-A	Closed - Removed	#6 Fuel Oil	20000	Underground Vaulted with Access	12/01/1953		
002	In Service	#2 Fuel Oil	4000	Underground Vaulted with Access	12/01/1991		
002-A	Closed - Removed	#6 Fuel Oil	10000	Underground Vaulted with Access	12/01/1953		

TANK NUMBER: 001 TANK TYPE: Steel/Carbon Steel/Iron TK INT. PROTECTION: None
TANK EXT. PROTECTION: None TANK LEAK DETECTN: Other TK SEC. CONTAINMNT: Other
PIPING EXT. PROTECTN: Painted/Asphalt Coating PIPING LEAK DETECTN: Exempt Suction Piping PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron PIPING LOCATION: Aboveground/Underground Combination
OVERFILL PROTECTION: Product Level Gauge (A/G) SPILL PREVENTION: DISPENSER METHOD: Suction

TANK NUMBER: 001-A TANK TYPE: Steel/Carbon Steel/Iron TK INT. PROTECTION: None
T EXT. PROTECTION: None TANK LEAK DETECTN: Other TK SEC. CONTAINMNT: Vault (w/o access)
P G EXT. PROTECTN: None PIPING LEAK DETECTN: PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron PIPING LOCATION: No Piping
OVERFILL PROTECTION: Product Level Gauge (A/G) SPILL PREVENTION: DISPENSER METHOD: Suction

TANK NUMBER: 002 TANK TYPE: Steel/Carbon Steel/Iron TK INT. PROTECTION: None
TANK EXT. PROTECTION: None TANK LEAK DETECTN: Other TK SEC. CONTAINMNT: Other
PIPING EXT. PROTECTN: Painted/Asphalt Coating PIPING LEAK DETECTN: Exempt Suction Piping PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron PIPING LOCATION: Aboveground/Underground Combination
OVERFILL PROTECTION: Product Level Gauge (A/G) SPILL PREVENTION: DISPENSER METHOD: Suction

TANK NUMBER: 002-A TANK TYPE: Steel/Carbon Steel/Iron TK INT. PROTECTION: None
TANK EXT. PROTECTION: None TANK LEAK DETECTN: Other TK SEC. CONTAINMNT: Vault (w/o access)
PIPING EXT. PROTECTN: None PIPING LEAK DETECTN: PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron PIPING LOCATION: No Piping
OVERFILL PROTECTION: Product Level Gauge (A/G) SPILL PREVENTION: DISPENSER METHOD: Suction

Map Identification Number 145 **U AND W PETROLEUM INC.** **Facility Id: 2-602318** **Source: NYS DEC**
610 UTICA AVENUE BROOKLYN, 11203 TT-Id: 640A-0015-796

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 182 feet to the ESE*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Retail Gasoline Sales
Site Status: Unregulated
Expiration Date of the facility's registration certificate:
Operator Name: ITHAK ZERNICKEY
Operator Phone #: (718) 474-3400
Owner Name:
Owner Company: U AND W PETROLEUM INC.
Owner Type: Corporate or Commercial
Owner Address: 610 UTICA AVENUE, BROOKLYN, NY 11203

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Closed - In Place	Gasoline	550	Underground			
002	Closed - In Place	Gasoline	550	Underground			
003	Closed - In Place	Gasoline	550	Underground			
004	Closed - In Place	Gasoline	550	Underground			
005	Closed - In Place	Gasoline	550	Underground			
006	Closed - In Place	Gasoline	550	Underground			
007	Closed - In Place	Gasoline	550	Underground			
008	Closed - In Place	Gasoline	550	Underground			
	Closed - In Place	Gasoline	550	Underground			
	Closed - In Place	Gasoline	550	Underground			
011	Closed - In Place	Gasoline	550	Underground			
012	Closed - In Place	Gasoline	550	Underground			

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: Other
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

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: Other
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: 003
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Other
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: 004
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Other
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: Underground/On-ground
SPILL PREVENTION:
DISPENSER METHOD: Suction

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: Other
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

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: Other
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

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: Other
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

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: Other
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: 009
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Other
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: 010
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Other
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

TANK NUMBER: 011
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Other
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

TANK NUMBER: 012
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None

TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Other
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:

TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

Map Identification Number 146 **R GAS INC**
610 UTICA AVE
BROOKLYN, NY 11203

Facility Id: NY08239 **Source: NYC FIRE DEPT**
TT-Id: 660A-0003-256

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 182 feet to the ESE*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: ASS GAS 1 550G ADD GAS 11 550G
AIR COMP OV 100P MVRS
ALT-4/84 MAKE UNKNOWN

Map Identification Number 147 **HESS 32534**
530-546 UTICA AVENUE
BROOKLYN, 11203

Facility Id: 2-297704 **Source: NYS DEC**
TT-Id: 640A-0015-793

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 187 feet to the NE*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Retail Gasoline Sales
Site Status: Active
Expiration Date of the facility's registration certificate: 05/23/2015
Operator Name: SITE MANAGER
Owner Name:
Owner Company: HESS CORPORATION
Owner Address: 1 HESS PLAZA, WOODBRIDGE, NJ 07095

Operator Phone #: (718) 363-1546
Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
37	Closed - Removed	Gasoline	4000	Underground	02/01/1980	04/01/1996	03/01/1997
38	Closed - Removed	Gasoline	4000	Underground	02/01/1980	04/01/1996	03/01/1997
39	Closed - Removed	Gasoline	2000	Underground	02/01/1980	04/01/1996	03/01/1997
40	Closed - Removed	Gasoline	4000	Underground	02/01/1980	04/01/1996	03/01/1997
41	Closed - Removed	Gasoline	2000	Underground	02/01/1980	04/01/1996	03/01/1997
42	Closed - Removed	Gasoline	4000	Underground	02/01/1980	04/01/1996	03/01/1997

**** TANK INFO CONTINUES ON NEXT PAGE ****

0W7	Closed – Removed	Other	550	Underground	04/01/1963		03/01/1991
A08	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A09	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A10	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A11	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A12	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A13	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A14	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A15	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A16	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A17	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A18	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A19	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A20	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A21	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A22	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A23	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A24	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A25	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
[illegible]	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
[illegible]	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A28	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A29	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A30	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A31	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A32	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A33	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A34	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A35	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A36	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
A37	Closed – In Place	Other	550	Underground	04/01/1963		12/01/1979
F38	Closed – Removed	#2 Fuel Oil	2000	Underground	04/01/1963		03/01/1991
R1	Closed – Removed	Gasoline	4000	Underground			03/01/1997
R2	Closed – Removed	Gasoline	4000	Underground			03/01/1997
U3	Closed – Removed	Gasoline	4000	Underground			03/01/1997
U4	Closed – Removed	Gasoline	4000	Underground			03/01/1997
P5	Closed – Removed	Gasoline	4000	Underground			03/01/1997
P6	Closed – Removed	Gasoline	4000	Underground			03/01/1997
W39	In Service	Other	550	Underground	03/01/1991	06/01/1997	
040	In Service	Gasoline/Ethanol	4000	Underground	03/01/1997	06/01/1997	
The following tank 040 content has been deleted or replaced: Gasoline							
041	In Service	Gasoline/Ethanol	4000	Underground	03/01/1997	06/01/1997	
The following tank 041 content has been deleted or replaced: Gasoline							
042	In Service	Gasoline/Ethanol	4000	Underground	03/01/1997	06/01/1997	
The following tank 042 content has been deleted or replaced: Gasoline							

**** TANK INFO CONTINUES ON NEXT PAGE ****

043	In Service	Gasoline/Ethanol	4000	Underground		03/01/1997	06/01/1997
The following tank 043 content has been deleted or replaced: Gasoline							
044	In Service	Gasoline/Ethanol	4000	Underground		03/01/1997	06/01/1997
The following tank 044 content has been deleted or replaced: Gasoline							
The following tank(s) were either deleted from the reported data or the number was re-assigned.							
45	In Service	OTHER	550	Underground		03/91	04/96
43	In Service	UNLEADED GASOLINE	4000	Underground		03/97	06/97
44	In Service	UNLEADED GASOLINE	4000	Underground		03/97	06/97

TANK NUMBER:	37	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Other	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	None	SPILL PREVENTION:		DISPENSER METHOD:	Submersible
TANK NUMBER:	38	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Other	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	None	SPILL PREVENTION:		DISPENSER METHOD:	Submersible
TANK NUMBER:	39	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Other	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	None	SPILL PREVENTION:		DISPENSER METHOD:	Submersible
TANK NUMBER:	40	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Other	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	None	SPILL PREVENTION:		DISPENSER METHOD:	Submersible
TANK NUMBER:	41	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Other	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	None	SPILL PREVENTION:		DISPENSER METHOD:	Submersible
TANK NUMBER:	42	TANK TYPE:	Steel/Carbon Steel/Iron	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	None	TANK LEAK DETECTN:	Other	TK SEC. CONTAINMNT:	None
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:		PIPE SEC. CONTAINMNT:	
PIPING TYPE:	Galvanized Steel	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	None	SPILL PREVENTION:		DISPENSER METHOD:	Submersible

**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

TANK NUMBER: 0W7
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: None
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Other
PIPING LEAK DETECTN:
PIPING LOCATION: No Piping
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Submersible

TANK NUMBER: A08
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A09
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A10
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A11
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A12
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A13
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A14
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: No Piping
OVERFILL PROTECTION: None
PIPING LOCATION: No Piping
SPILL PREVENTION:
DISPENSER METHOD:

TANK NUMBER: A15
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A16
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A17
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A18
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A19
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A20
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A21
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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: A22
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A23
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A24
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A25
EXT. PROTECTION: None
G EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A26
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A27
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A28
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A29
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: No Piping
OVERFILL PROTECTION: None
PIPING LOCATION: No Piping
SPILL PREVENTION:
DISPENSER METHOD:

TANK NUMBER: A30
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A31
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A32
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A33
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A34
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A35
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: A36
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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: A37
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
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 NUMBER: F38
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Copper
OVERFILL PROTECTION: None
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD:

TANK NUMBER: R1
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: Float Vent Valve
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Other
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Submersible

TANK NUMBER: R2
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: Float Vent Valve
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Other
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Submersible

TANK NUMBER: U3
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: Float Vent Valve
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Other
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Submersible

TANK NUMBER: U4
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: Float Vent Valve
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Other
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Submersible

TANK NUMBER: P5
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: Float Vent Valve
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Other
PIPING LEAK DETECTN:
PIPING LOCATION: Underground/On-ground
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Submersible

TANK NUMBER: P6
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: Other
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	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	Float Vent Valve	SPILL PREVENTION:		DISPENSER METHOD:	Submersible
TANK NUMBER:	W39	TANK TYPE:	Fiberglass Coated Steel	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Fiberglass	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	None	PIPING LEAK DETECTN:	None	PIPE SEC. CONTAINMNT:	None
PIPING TYPE:	No Piping	PIPING LOCATION:	No Piping		
OVERFILL PROTECTION:	Float Vent Valve	SPILL PREVENTION:	Catch Basin	DISPENSER METHOD:	
TANK NUMBER:	040	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Fiberglass	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	Fiberglass	PIPING LEAK DETECTN:	Interstitial - Electronic Monitoring Pressurized Piping Leak Detector	PIPE SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	Automatic Shut-Off	SPILL PREVENTION:	Catch Basin	DISPENSER METHOD:	Submersible
TANK NUMBER:	041	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Fiberglass	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	Fiberglass	PIPING LEAK DETECTN:	Pressurized Piping Leak Detector Interstitial - Electronic Monitoring	PIPE SEC. CONTAINMNT:	Double-Walled (Underground)
[illegible]G TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	Automatic Shut-Off	SPILL PREVENTION:	Catch Basin	DISPENSER METHOD:	Submersible
TANK NUMBER:	042	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Fiberglass	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	Fiberglass	PIPING LEAK DETECTN:	Interstitial - Electronic Monitoring Exempt Suction Piping	PIPE SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	Automatic Shut-Off	SPILL PREVENTION:	Catch Basin	DISPENSER METHOD:	Submersible
TANK NUMBER:	043	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Fiberglass	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	Fiberglass	PIPING LEAK DETECTN:	Pressurized Piping Leak Detector Interstitial - Electronic Monitoring	PIPE SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	Float Vent Valve	SPILL PREVENTION:	Catch Basin	DISPENSER METHOD:	Submersible
TANK NUMBER:	044	TANK TYPE:	Fiberglass Reinforced Plastic (FRP)	TK INT. PROTECTION:	None
TANK EXT. PROTECTION:	Fiberglass	TANK LEAK DETECTN:	Interstitial - Electronic Monitoring	TK SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING EXT. PROTECTN:	Fiberglass	PIPING LEAK DETECTN:	Exempt Suction Piping Interstitial - Electronic Monitoring	PIPE SEC. CONTAINMNT:	Double-Walled (Underground)
PIPING TYPE:	Fiberglss Reinforcd Plastic(FRP)	PIPING LOCATION:	Underground/On-ground		
OVERFILL PROTECTION:	Automatic Shut-Off	SPILL PREVENTION:	Catch Basin	DISPENSER METHOD:	Suction

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 INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

TANK NUMBER: 45
TANK EXT. PROTECTION: Fiberglass
PIPING EXT. PROTECTN: None
Fiberglass
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION:

TANK TYPE: Fiberglass Coated Steel
TANK LEAK DETECTN: Interstitial Monitoring
PIPING LEAK DETECTN:

PIPING LOCATION:
SPILL PREVENTION:

TK INT. PROTECTION:
TK SEC. CONTAINMNT: Double-Walled Tank
PIPE SEC. CONTAINMNT:

DISPENSER METHOD:

TANK NUMBER: 43
TANK EXT. PROTECTION: None
Fiberglass
PIPING EXT. PROTECTN: None
Fiberglass
PIPING TYPE: Fiberglass (FRP)
OVERFILL PROTECTION:

TANK TYPE: Fiberglass Reinforced Plastic (FRP)
TANK LEAK DETECTN: Interstitial Monitoring
In-Tank System
PIPING LEAK DETECTN:

PIPING LOCATION: Underground
SPILL PREVENTION:

TK INT. PROTECTION: Fiberglass Liner (FRP)
TK SEC. CONTAINMNT: None
Double-Walled Tank
PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Submersible

TANK NUMBER: 44
TANK EXT. PROTECTION: None
Fiberglass
PIPING EXT. PROTECTN: None
Fiberglass
PIPING TYPE: Fiberglass (FRP)
OVERFILL PROTECTION:

TANK TYPE: Fiberglass Reinforced Plastic (FRP)
TANK LEAK DETECTN: Interstitial Monitoring
In-Tank System
PIPING LEAK DETECTN:

PIPING LOCATION: Underground
SPILL PREVENTION:

TK INT. PROTECTION: Fiberglass Liner (FRP)
TK SEC. CONTAINMNT: None
Double-Walled Tank
PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Submersible

Map Identification Number 148 **COYS AUTO REPAIRS** **Facility Id: 2-609391** **Source: NYS DEC**
640 UTICA AVENUE BROOKLYN, 11203 TT-Id: 640A-0012-099

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 240 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Other Wholesale/Retail Sales
Site Status: Active
Expiration Date of the facility's registration certificate: 12/12/2013
Operator Name: LLOYD COY
Owner Name: LLOYD COY - OWNER
Owner Company: LLOYD COY
Owner Address: 975 E 56 ST, BROOKLYN, NY 11203

Operator Phone #: (718) 756-2212

Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	Waste Oil/Used Oil	200	Aboveground - In Contact with Soil	02/16/1998		

TANK NUMBER: 001 TANK TYPE: Steel/Carbon Steel/Iron TK INT. PROTECTION: Other
**** TANK INFO FOR THIS SITE CONTINUES ON NEXT PAGE ****

TANK EXT. PROTECTION: Painted/Asphalt Coating
PIPING EXT. PROTECTN: None
PIPING TYPE: No Piping
OVERFILL PROTECTION: Float Vent Valve

TANK LEAK DETECTN: Other
PIPING LEAK DETECTN: Exempt Suction Piping
PIPING LOCATION: No Piping
SPILL PREVENTION:

TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:

DISPENSER METHOD: Suction

Map Identification Number 149 **MAVIS DISCOUNT TIRE** **Facility Id: 2-603646** **Source: NYS DEC**
611 UTICA AVE BROOKLYN, 11203 TT-Id: 640A-0015-797

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 389 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Other
Site Status: Active
Expiration Date of the facility's registration certificate: 10/30/2015
Operator Name: JOHN SPINA
Owner Name: JOHN SPINN - COORD.
Owner Company: MAVIS DISCOUNT TIRE
Address: 358 SAW MILL RIVER RD, MILLWOOD, NY 10546

Operator Phone #: (718) 774-0286

Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Closed - Removed	Waste Oil/Used Oil	240	Abovegrnd - In Contact w/Imperv. Barrier	10/01/1998		04/27/2011
1	In Service	MOTOR OIL	280	Aboveground on Crib Rack or Cradle	06/07/2011		
2	In Service	Waste Oil/Used Oil	280	Aboveground on Crib Rack or Cradle	06/07/2011		

Map Identification Number 150 **R & S STRAUSS ASSOC** **Facility Id: NY08216** **Source: NYC FIRE DEPT**
519 UTICA AVE BROOKLYN, NY 11203 TT-Id: 660A-0003-251

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 398 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: LUB OIL SLD CANS 250G
ANTI FREEZE 1000G
FLAMM. MIXT 100G

Map Identification Number 151 **BP/AMOCO SERVICE STATION** **Facility Id: 2-337927** **Source: NYS DEC**
529 UTICA AVENUE BROOKLYN, 11203 TT-Id: 640A-0015-794

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 433 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Retail Gasoline Sales
Site Status: Unregulated
Expiration Date of the facility's registration certificate:
Operator Name: CHARLES STEPHANS
Owner Name: JOSEPH T. DEANTONIO - AREA MAINTENANCE MANAGER
Owner Company: BP PRODUCTS NORTH AMERICA, INC
Owner Address: 7645 FAIRBANKS COURT, HANOVER, MD 21076

Operator Phone #: (718) 604-3200
Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
[illegible]	Closed - Removed	Gasoline	4000	Underground	12/01/1970		06/01/1993
002	Closed - Removed	Gasoline	4000	Underground	12/01/1970		06/01/1993
003	Closed - Removed	Gasoline	4000	Underground	12/01/1982		06/01/1993
004	Closed - Removed	Gasoline	4000	Underground	12/01/1982		06/01/1993
101	Closed - Removed	Gasoline	4000	Underground	06/01/1993	03/12/2004	10/24/2005
102	Closed - Removed	Gasoline	4000	Underground	06/01/1993	03/12/2004	10/24/2005
103	Closed - Removed	Gasoline	4000	Underground	06/01/1993	03/12/2004	10/24/2005
104	Closed - Removed	Gasoline	4000	Underground	06/01/1993	03/12/2004	10/24/2005
105	Closed - Removed	Gasoline	4000	Underground	06/01/1993	03/12/2004	10/24/2005

Map Identification Number 152 **AMOCO SERVICE STATION SS#655** **Facility Id: 2-600878** **Source: NYS DEC**
529 UTICA AVE. BROOKLYN, NY 11203 TT-Id: 640A-0015-795

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 433 feet to the ENE

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.
Facility Type: Retail Gasoline Sales
Site Status:
Expiration Date of the facility's registration certificate: 08/11/1997
Operator Name: SAL ROSENFELD
Owner Name: AMOCO OIL COMPANY
Owner Address: 555 DOUGHTY BLVD., INWOOD, NY 11696

Facility Phone #: (718) 604-3200
Owner Type: Corporate/Commercial

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
01		UNLEADED GASOLINE	4000	Underground	12/77		
02		UNLEADED GASOLINE	4000	Underground	12/77		
03		UNLEADED GASOLINE	4000	Underground	12/77		
04		UNLEADED GASOLINE	4000	Underground	12/77		

Map Identification Number 153 **TACOMA OIL CORP** **Facility Id: NY09631** **Source: NYC FIRE DEPT**
529 UTICA AVE BROOKLYN, NY 11203 TT-Id: 660A-0003-453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 433 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: OSS SELF SERV
DPLT-2/4000 DISCH LINE-6/88
BTLT-4/4000-12/88

Map Identification Number 154 **UTICA ENTERPRISES** **Facility Id: 2-191558** **Source: NYS DEC**
482-504 UTICA AVENUE BROOKLYN, 11203 TT-Id: 640A-0012-800

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 457 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Other
Site Status: Active
Expiration Date of the facility's registration certificate: 03/08/2010
Operator Name: BHARAT JOTWANI
Operator Phone #: (718) 771-1861
Owner Name: SUSHMA JOTWANI - MANAGER
Owner Company: UTICA ENTERPRISES, INC.
Owner Type: Corporate or Commercial
Owner Address: 504 UTICA AVENUE, BROOKLYN, NY 11203

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Administratively Closed	Gasoline	550	Underground	07/01/1957		
002	Administratively Closed	Gasoline	550	Underground	07/01/1957		
003	Administratively Closed	Gasoline	550	Underground	07/01/1957		
004	Administratively Closed	Gasoline	550	Underground	07/01/1957		

**** TANK INFO CONTINUES ON NEXT PAGE ****

005	Administratively Closed	Gasoline	4000	Underground	09/01/1974	
006	Administratively Closed	Gasoline	550	Underground	07/01/1957	
007	Administratively Closed	Gasoline	550	Underground	07/01/1957	
008	Administratively Closed	Gasoline	550	Underground	07/01/1957	
009	Administratively Closed	Gasoline	550	Underground	07/01/1957	
010	Administratively Closed	Gasoline	550	Underground	07/01/1957	
011	Administratively Closed	Gasoline	550	Underground	07/01/1957	
012	Administratively Closed	Gasoline	550	Underground	07/01/1957	
013	Administratively Closed	Gasoline	550	Underground	07/01/1957	
014	Tank Converted to Non-Regulated Use	#2 Fuel Oil	550	Underground	07/01/1957	08/01/1996
A634551	In Service	Waste Oil/Used Oil	1000	Aboveground on Crib Rack or Cradle	04/01/2002	
A634552	In Service	Lube Oil	1000	Aboveground on Crib Rack or Cradle	04/01/2002	
A634553	In Service	Lube Oil	275	Aboveground on Crib Rack or Cradle	04/01/2002	
A634554	In Service	Lube Oil	500	Aboveground on Crib Rack or Cradle	04/01/2002	
A634555	In Service	Lube Oil	500	Aboveground on Crib Rack or Cradle	04/01/2002	

The following tank(s) were either deleted from the reported data or the number was re-assigned.

1	In Service	Waste Oil/Used Oil	1000	Aboveground - In Contact with Soil
2	In Service	Lube Oil	1000	Aboveground - In Contact with Soil
3	In Service	Lube Oil	500	Aboveground - In Contact with Soil
	In Service	Lube Oil	500	Aboveground - In Contact with Soil
5	In Service	Lube Oil	275	Aboveground - In Contact with Soil

Map Identification Number 155 **ROBIN AUTO SERVICES** **Facility Id: 2-609389** **Source: NYS DEC**
482 UTICA AVENUE BROOKLYN, 11203 TT-Id: 640A-0012-098

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 457 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Unknown
Site Status: Active
Expiration Date of the facility's registration certificate: 12/09/2008
Operator Name: ROBIN GILGEOURS
Operator Phone #: (718) 493-2444
Owner Name:
Owner Company: ROBIN GILGEOURS
Owner Type: Corporate or Commercial
Owner Address: 808 MAPLE ST, BROOKLYN, NY 11203

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	Waste Oil/Used Oil	250	Aboveground - In Contact with Soil			

Map Identification Number 156 **GREAT BEAR AUTO** **Facility Id: 2-609407** **Source: NYS DEC**
680 UTICA AVENUE BROOKLYN, 11203 TT-Id: 640A-0011-808

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 507 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Other
Site Status: Active
Expiration Date of the facility's registration certificate: 12/29/2008
Operator Name: LOUIS EVANGELISTA
Operator Phone #: (718) 604-3070
Owner Name:
Owner Company: LOUIS EVANGELISTA
Owner Type: Corporate or Commercial
Owner Address: 680 UTICA AVE, BROOKLYN, NY 11203

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	Waste Oil/Used Oil	500	Aboveground on Crib Rack or Cradle			

Map Identification Number 157 **KINGSBORO PSYCHIATRIC CENTER** **Facility Id: 2-337978** **Source: NYS DEC**
681 CLARKSON AVENUE BROOKLYN, 11203 TT-Id: 640A-0019-176

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 580 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Hospital/Nursing Home/Health Care
Site Status: Active
Expiration Date of the facility's registration certificate: 11/16/2017
Operator Name: NIKOLAI LYSENKO
Operator Phone #: (718) 221-7269
Owner Name:
Owner Company: NEW YORK STATE OFFICE OF MENTAL HEALTH
Owner Type: NYS OFFICE OF MENTAL HEALTH (State Gov)
Owner Address: 44 HOLLAND AVE, ALBANY, NY 12229

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	Closed - Removed	Gasoline	3000	Underground	01/01/1977	07/01/1995	12/01/1998
002	Closed - Removed	Gasoline	3000	Underground	01/01/1977	07/01/1995	12/01/1998
G22	Closed - Removed	Diesel	1800	Underground		08/01/1994	12/01/1998
225	Temporarily Out of Service	#6 Fuel Oil	30000	Underground	01/01/1991	01/01/1991	
226	Temporarily Out of Service	#6 Fuel Oil	30000	Underground	01/01/1991	01/01/1991	
227	Temporarily Out of Service	#6 Fuel Oil	30000	Underground	01/01/1991	01/01/1991	

**** TANK INFO CONTINUES ON NEXT PAGE ****

228	In Service	#2 Fuel Oil	30000	Underground	01/01/1991	01/01/1991	
The following tank 228 content has been deleted or replaced: #6 Fuel Oil							
G1	Closed – Removed	Diesel	1800	Underground		09/01/1990	12/01/1998
G8	Closed – Removed	Diesel	550	Underground			12/01/1998
G10	Closed – In Place	Diesel	1800	Underground		08/01/1994	
E1	Closed – Removed	Empty	275	Underground			
C2	Closed – Removed	Empty	275	Underground			
K3	Closed – Removed	Empty	275	Underground			
21	Closed – Removed	Empty	40000	Underground Vaulted with Access			
22	Closed – Removed	Empty	40000	Underground			
23	Closed – Removed	Empty	40000	Underground			
24	Closed – Removed	Empty	40000	Underground			
G2	In Service	Diesel	3000	Underground	05/01/1998		
121	Closed – In Place	Gasoline	4000	Underground	11/01/1998	02/12/2013	05/30/2013
011	In Service	Diesel	2500	Underground	12/01/1998	06/18/2009	
011A	Closed – Removed	Diesel	10	Aboveground – In Contact with Soil			10/20/2005
G2A	In Service	Diesel	110	Abovegrnd – In Contact w/Imperv. Barrier	05/01/1998		
081	Closed Prior to Micro Conversion 03/91	Other	500	Underground Vaulted with Access	12/01/1998		
[illegible]	Closed Prior to Micro Conversion 03/91	Other	10	Aboveground on Crib Rack or Cradle			
[illegible]	In Service	Diesel	2500	Underground	12/01/1998	02/12/2013	
[illegible]	In Service	Diesel	500	Abovegrnd – In Contact w/Imperv. Barrier	12/01/1998		
001 (MB)	Closed Prior to Micro Conversion 03/91	Other	4000	Underground	12/01/1959	12/28/2007	
The following tank 001 (MB) content has been deleted or replaced: #2 Fuel Oil							
002 (MB)	Closed – In Place	Diesel	550	Underground	12/01/1973		12/01/1998
011B	In Service	Diesel	275	Abovegrnd – In Contact w/Imperv. Barrier	10/20/2005		
002 (MB)	Closed Prior to Micro Conversion 03/91	Other	390	Abovegrnd – In Contact w/Imperv. Barrier	09/01/2007		
The following tank 002 (MB) content has been deleted or replaced: Diesel							

Map Identification Number 158 **TROTTA SERVICE STATION INC.**
684 UTICA AVENUE
BROOKLYN, 11203

Facility Id: 2-609434 **Source: NYS DEC**
TT-Id: 640A-0012-101

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 582 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Other
Site Status: Active
Expiration Date of the facility's registration certificate: 01/20/2014
Operator Name: ANTHONY TROTTA
Owner Name: ANTONIO J. TROTTA – MANAGER
Owner Company: GINO G. TROTTA
Owner Address: 2158 EAST 65TH STREET, BROOKLYN, NY 11234

Operator Phone #: (718) 773-8540

Owner Type: Private Resident

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
0001	In Service	Waste Oil/Used Oil	55	Underground	11/07/1949		

Map Identification Number 159 **835 CLARKSON AVE**
835 CLARKSON AVE

Facility Id: 2-100579 **Source: NYS DEC**
BROOKLYN, 11203 TT-Id: 640A-0012-598

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 651 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 08/16/2015
Operator Name: BONITO SIMEON
Owner Name: JAY MILLER - MANAGER
Owner Company: THE CLARKSON WINTHROP GROUP LLC
Owner Address: P.O. BOX 449, BROOKLYN, NY 11230

Operator Phone #: (347) 824-9264

Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	3000	Aboveground - In Contact with Soil	03/25/1936		

Map Identification Number 160 **155 E. 51 ST.**
155 EAST 51ST STREET

Facility Id: 2-608599 **Source: NYS DEC**
BROOKLYN, 11203 TT-Id: 640A-0012-033

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 655 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/14/2018
Operator Name: HECTOR
Owner Name: JERRY MILLER - MGR
Owner Company: 155 EAST 51 ST. LLC
Owner Address: P.O. BOX 449, BROOKLYN, NY 11230

Operator Phone #: (347) 455-5134

Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	3000	Aboveground - In Contact with Soil	01/01/1936		

Map Identification Number 161 **JOSEPH ST ROSE**
155 E 51 ST
BROOKLYN, NY 11203

Facility Id: NY05552 **Source: NYC FIRE DEPT**
TT-Id: 660A-0004-015

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 655 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: 155 E 51ST ST
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: F O #4 3000G



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 162

NYSDEC Name:	**KINGSBROOK JEWISH MEDICAL CTR**		**Facility Id: NYD986954188**
NYSDEC Address:	585 SCHENECTADY DR	BROOKLYN, NY 11203	TT-Id: 740A-0013-459
EPA (RCRA) Name:	KINGSBROOK JEWISH MEDICAL CENTER - KJMC		
EPA (RCRA) Address:	585 SCHENECTADY AVE	BROOKLYN, NY 11203	

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: 585 SCHENECTADY AVE
Revised zip code: NO CHANGE

USEPA RCRA Type: SMALL QUANTITY GENERATOR
Disposal:
Size:
Receives offsite waste:
Treatment facility:
Notification date: 07/21/2003
Incinerator:
Transporter:

Contact Name: KIRAN MODY Source Type: Implementer Contact Phone: 718-363-6592 Contact Info Date: 01/01/2007
Contact Name: KIRAN MODY Source Type: Notification Contact Phone: 718-363-6592 Contact Info Date: 07/21/2003

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	HISTORIC MAXIMUM YEAR
	More than one waste code was reported for the following waste amount:	489	POUNDS	GENERATED	2013	902	2010
D001	Solid waste that exhibits the characteristic of ignitability						
F003	Spent non-halogenated solvents						
	More than one waste code was reported for the following waste amount:	2	POUNDS	GENERATED	2010		
D001	Solid waste that exhibits the characteristic of ignitability						
D002	Solid waste that exhibits the characteristic of corrosivity						
U404	Ethanamine, N,N-diethyl (OR) Triethylamine						
U076	Ethane, 1,1-dichloro-						

NYS DEC Manifested Waste Transactions for NYD986954188 continued ---

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
More than one waste code was reported for the following waste amount:		38	POUNDS	GENERATED	2010		
D001	Solid waste that exhibits the characteristic of ignitability						
U003	Acetonitrile (I,T)						
U031	n-Butyl alcohol (I)						
U056	Cyclohexane (I)						
U057	Cyclohexanone (I)						
More than one waste code was reported for the following waste amount:		12	POUNDS	GENERATED	2010		
U080	Methane, dichloro-						
U044	Chloroform						
D001	Solid waste that exhibits the characteristic of ignitability	45	POUNDS	GENERATED	2009	280	1994
More than one waste code was reported for the following waste amount:		7	POUNDS	GENERATED	2009		
D001	Solid waste that exhibits the characteristic of ignitability						
U162	2-Propenoic acid, 2-methyl-, methyl ester (I,T)						
More than one waste code was reported for the following waste amount:		1	POUNDS	GENERATED	2009		
	Solid waste that exhibits the characteristic of corrosivity						
	Cresol						
F003	Spent non-halogenated solvents	960	POUNDS	GENERATED	2006		
D002	Solid waste that exhibits the characteristic of corrosivity	110	GALLONS	GENERATED	2005		
D002	Solid waste that exhibits the characteristic of corrosivity	120	POUNDS	GENERATED	2003	172	1996
D003	Solid waste that exhibits the characteristic of reactivity	3	POUNDS	GENERATED	2003	9	1996
D009	Mercury	1	POUNDS	GENERATED	2003	7	1996
D011	Silver	30	POUNDS	GENERATED	2003		
P098	Potassium cyanide	30	POUNDS	GENERATED	2003		
U188	Phenol	100	POUNDS	GENERATED	2003		
D001	Solid waste that exhibits the characteristic of ignitability	20	GALLONS	GENERATED	1999	195	1996
U151	Mercury	100	POUNDS	GENERATED	1998		
U044	Chloroform	98	POUNDS	GENERATED	1996		
U122	Formaldehyde	110	GALLONS	GENERATED	1994		
U122	Formaldehyde	120	POUNDS	GENERATED	1994		
F003	Spent non-halogenated solvents	520	GALLONS	GENERATED	1993		

NOTE: 2013 waste amounts are for 1/1/13 to 4/15/13 only

Map Identification Number 163 **NYSDEC Name:** **MERIT OIL CORP** **Facility Id: NYD982185787**
NYSDEC Address: 530-546 UTICA AVE BROOKLYN, NY 11203 TT-Id: 740A-0014-367
EPA (RCRA) Name: MERIT OIL CORP
EPA (RCRA) Address: 530-546 UTICA AVE BROOKLYN, NY 112031917

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 176 feet to the NE*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Contact Name: DOM DEBENEDICTIS Source Type: Notification

Notification date: 05/11/1987
Incinerator:
Transporter:
Contact Phone: 516-731-36 Contact Info Date: 05/11/1987

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.

CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported by NYS.						

Map Identification Number 164 **NYSDEC Name:** **RITE AID #3855** **Facility Id: NYR000186171**
NYSDEC Address: 506-528 UTICA AVE BROOKLYN, NY 11203 TT-Id: 740A-0079-946
EPA (RCRA) Name: RITE AID #3855
EPA (RCRA) Address: 506-528 UTICA AVE BROOKLYN, NY 11203

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 211 feet to the NE

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:
Contact Name: STEPHANIE CAIATI Source Type: Notification

Notification date: 11/04/2011
Incinerator:
Transporter:
Contact Phone: 717-730-8225 Contact Info Date: 11/04/2011

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	HISTORIC MAXIMUM YEAR
D002	Solid waste that exhibits the characteristic of corrosivity	38	POUNDS	GENERATED	2013	72	2012
	More than one waste code was reported for the following waste amount: D007 Chromium D010 Selenium	6	POUNDS	GENERATED	2013		
	More than one waste code was reported for the following waste amount: P075 Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts P001 2H-1-Benzopyran-2-one	3	POUNDS	GENERATED	2013		
D001	Solid waste that exhibits the characteristic of ignitability	21	POUNDS	GENERATED	2012		

NOTE: 2013 waste amounts are for 1/1/13 to 4/15/13 only

Map Identification Number 165 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYP004056792**
NYSDEC Address: MH41671-UTICA AVE & RUTLAND RD BROOKLYN, NY 12201 TT-Id: 740A-0012-559

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 281 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: UTICA AVE / RUTLAND RD
Revised zip code: 11203

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	HISTORIC MAXIMUM YEAR
B002	Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm	1841	KILOGRAMS	GENERATED	2000		

Map Identification Number 166

NYSDEC Name:	**R&S STRAUSS**			**Facility Id: NYD980757918**
NYSDEC Address:	519-22 UTICA AVE	BROOKLYN, NY 11203		TT-Id: 740A-0014-373
EPA (RCRA) Name:	R & S STRAUSS			
EPA (RCRA) Address:	519-29 UTICA AVE	BROOKLYN, NY 112031916		

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (5)
Approximate distance from property: 288 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: 519-522 UTICA AVE
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:
Receives offsite waste:
Treatment facility:
Notification date: 06/29/1983
Incinerator:
Transporter:
Contact Name: BILL MOTEN
Source Type: Notification
Contact Phone: 718-773-9583
Contact Info Date: 06/29/1983

Historically listed as the following USEPA RCRA Generator Size(s) as well:
LARGE QUANTITY GENERATOR

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	HISTORIC MAXIMUM YEAR
D008	Lead	350	POUNDS	GENERATED	1998		

Map Identification Number 167

NYSDEC Name:	**CONSOLIDATED EDISON MH63845**			**Facility Id: NYP004194957**
NYSDEC Address:	MH63845 654 UTICA AVE	BROOKLYN, NY		TT-Id: 740A-0066-000
EPA (RCRA) Name:	CON EDISON			
EPA (RCRA) Address:	654 UTICA AVE & CLARKSON AVE	BROOKLYN, NY 11203		

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 338 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: 654 UTICA AVE
Revised zip code: NO CHANGE

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Contact Name: CAROLINE ISKANDER Source Type: Emergency
Notification date: None Given
Incinerator:
Transporter:
Contact Phone: 718-666-4714 Contact Info Date: 09/18/2009

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	HISTORIC MAXIMUM YEAR
D008	Lead	100	GALLONS	GENERATED	2009		

Map Identification Number 168
NYSDEC Name: **CON EDISON**
NYSDEC Address: 654 UTICA AVE, MH 63845, BROOKLYN, NY
Facility Id: NYP004280723
TT-Id: 740A-0084-661
EPA (RCRA) Name: CON EDISON MANHOLE: 48264
EPA (RCRA) Address: 363 ATLANTIC AVE, BROOKLYN, NY 11217

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 338 feet to the SE

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:
Contact Name: JUMEL DILLARD Source Type: Emergency
Notification date: None Given
Incinerator:
Transporter:
Contact Phone: 718-666-4564 Contact Info Date: 12/18/2012

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	HISTORIC MAXIMUM YEAR
D008	Lead	100	GALLONS	GENERATED	2012		

Map Identification Number 169 **NYSDEC Name:** **AUTOZONE # 5279** **Facility Id: NYR000019406**
NYSDEC Address: 575 UTICA AVE BROOKLYN, NY 11203 TT-Id: 740A-0014-371
EPA (RCRA) Name: PEP BOYS THE #357
EPA (RCRA) Address: 575 UTICA AVE BROOKLYN, NY 11203

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 378 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Contact Name: RUSSELL LICCIARDELLO Source Type: Implementer Contact Phone: 215-227-9193 Contact Info Date: 01/01/2007
Contact Name: RUSSELL LICCIARDELLO Source Type: Notification Contact Phone: 215-227-9193 Contact Info Date: 07/29/1996

Notification date: 07/29/1996
Incinerator:
Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:
SMALL QUANTITY GENERATOR
CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

DEC Manifested Waste Summary:
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	HISTORIC MAXIMUM YEAR
	More than one waste code was reported for the following waste amount:	1350	POUNDS	GENERATED	2010		
D001	Solid waste that exhibits the characteristic of ignitability						
D005	Barium						
D007	Chromium						
D008	Lead						
D018	BENZENE						

Map Identification Number 170 **EPA (RCRA) Name:** **R & S STRAUSS** **Facility Id: NYD980757918**
EPA (RCRA) Address: 519-29 UTICA AVE BROOKLYN, NY 112031916 TT-Id: 740A-0081-383
NYSDEC Name: R&S STRAUSS
NYSDEC Address: 519-22 UTICA AVE BROOKLYN, NY 11203

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 382 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: 519-529 UTICA AVE
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: Receives offsite waste:
Storer: Treatment facility:
Contact Name: BILL MOTEN Source Type: Notification
Notification date: 06/29/1983
Incinerator:
Transporter:
Contact Phone: 718-773-9583 Contact Info Date: 06/29/1983

Historically listed as the following USEPA RCRA Generator Size(s) as well:
LARGE QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	HISTORIC MAXIMUM YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D008	Lead	350	POUNDS	GENERATED	1998		

Map Identification Number 171 **NYSDEC Name:** **TACOMA OIL** **Facility Id: NYD986988046**
NYSDEC Address: 529 UTICA AVE BROOKLYN, NY 11101 TT-Id: 740A-0014-368
EPA (RCRA) Name: AMOCO SS #655
EPA (RCRA) Address: 529 UTICA AVE BROOKLYN, NY 07054

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 428 feet to the ENE

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: GEORGE TOPANY Source Type: Implementer
Contact Name: PAUL LINDELL Source Type: Notification
Contact Name: GEORGE TOPANY Source Type: Annual/Biennial Report
Notification date: 04/16/2001
Incinerator:
Transporter:
Contact Phone: 914-765-8803 Contact Info Date: 01/01/2007
Contact Phone: 914-765-8192 Contact Info Date: 04/16/2001
Contact Phone: 914-765-8803 Contact Info Date: 11/18/2002

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	HISTORIC MAXIMUM YEAR
D018	BENZENE	428	GALLONS	GENERATED	2001		
D001	Solid waste that exhibits the characteristic of ignitability	605	GALLONS	GENERATED	1994		

Map Identification Number 172

NYSDEC Name: **SUNOCO SERVICE STATION**
NYSDEC Address: 482 UTICA AVE BROOKLYN, NY 11203
EPA (RCRA) Name: SUNOCO SERVICE STATION
EPA (RCRA) Address: 482 UTICA AVE BROOKLYN, NY 11203

Facility Id: NYD000816330
TT-Id: 740A-0014-369

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 443 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal:
Receives offsite waste:
Treatment facility:
Notification date: 08/18/1980
Incinerator:
Transporter:

[redacted]ct Name: HOWARD ALGEO Source Type: Implementer Contact Phone: 215-688-8200 Contact Info Date: 01/01/2007
Contact Name: HOWARD ALGEO Source Type: Notification Contact Phone: 215-688-8200 Contact Info Date: 08/18/1980

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	HISTORIC MAXIMUM YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported by NYS.						

Map Identification Number 173

NYSDEC Name: **WEINBERG GRETA**
NYSDEC Address: 471 UTICA AVENUE BROOKLYN, NY 11203
EPA (RCRA) Name: WEINBERG GRETA
EPA (RCRA) Address: 471 UTICA AVE BROOKLYN, NY 112031318

Facility Id: NYR000028019
TT-Id: 740A-0014-374

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 575 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Contact Name: MURRAY WEINBERG Source Type: Notification
Notification date: 08/13/1996
Incinerator:
Transporter:
Contact Phone: 516-484-108 Contact Info Date: 08/13/1996

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	HISTORIC MAXIMUM YEAR
F005	Spent non-halogenated solvents	1320	POUNDS	GENERATED	1996		

M Identification Number 174 **NYSDEC Name:** **NYNEX** **Facility Id: NYP000921544**
NYSDEC Address: UTICA & MAPLE AVE BROOKLYN, NY 11201 TT-Id: 740A-0014-375

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 602 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: UTICA AV/MAPLE ST
Revised zip code: 11203

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	HISTORIC MAXIMUM YEAR
D008	Lead	500	POUNDS	GENERATED	1995		

Map Identification Number 175

NYSDEC Name: **NEW YORK STATE PSYCHIATRIC CTR** **Facility Id: NYD986888758**
NYSDEC Address: KINGSBOROUGH- 681 CLARKSON AVE BROOKLYN, NY 11203 TT-Id: 740A-0016-563
EPA (RCRA) Name: KINGSBORO PSYCHIATRIC CENTER
EPA (RCRA) Address: 681 CLARKSON AVE BROOKLYN, NY 11203
WORK CONTROL CENTER BLDG 27

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 612 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 681 CLARKSON AVE
Revised zip code: NO CHANGE

US EPA RCRA Type: SMALL QUANTITY GENERATOR
Land Disposal: Receives offsite waste: Notification date: 12/28/2007
Storer: Treatment facility: Incinerator:
Transporter:

Contact Name: ROY TRIGUERO	Source Type: Implementer	Contact Phone: 718-221-7342	Contact Info Date: 12/27/2007
Contact Name: ROY TRIGUERO	Source Type: Notification	Contact Phone: 718-221-7342	Contact Info Date: 12/28/2007
Contact Name: DENNIS FORYTE	Source Type: Annual/Biennial Report	Contact Phone: 718-221-7210	Contact Info Date: 08/28/2006

Historically listed as the following USEPA RCRA Generator Size(s) as well:
LARGE QUANTITY GENERATOR
CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

US EPA RCRA Violations:
Violation Type: Universal Waste - Small Quantity Handlers
Violation Number: 0001 Location: NY
Former Citation:
Responsible Agency: EPA
Violation Determination Date: 08/16/2010
Violation Return to Compliance:

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	HISTORIC MAXIMUM YEAR
D001	Solid waste that exhibits the characteristic of ignitability	10	POUNDS	GENERATED	2013	3005	1990
D024	m-Cresol	2	POUNDS	GENERATED	2013	6	2012
P075	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts	10.01	POUNDS	GENERATED	2013		
D002	Solid waste that exhibits the characteristic of corrosivity	55	GALLONS	GENERATED	2012	649	2011
	More than one waste code was reported for the following waste amount:	2	POUNDS	GENERATED	2012		
P001	2H-1-Benzopyran-2-one						
P012	Arsenic trioxide						
P075	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts						

NYS DEC Manifested Waste Transactions for NYD986888758 continued ---

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
More than one waste code was reported for the following waste amount:		2	POUNDS	GENERATED	2012	2	2011
P001	2H-1-Benzopyran-2-one						
P042	1,2-Benzenediol, 4-(1-hydroxy-2-(mehtylamino)ethyl)						
P075	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts						
D001	Solid waste that exhibits the characteristic of ignitability	55	GALLONS	GENERATED	2011	1550	2000
D009	Mercury	190	POUNDS	GENERATED	2011	3500	1990
D008	Lead	300	POUNDS	GENERATED	2010	6400	2004
More than one waste code was reported for the following waste amount:		400	POUNDS	GENERATED	2010		
D001	Solid waste that exhibits the characteristic of ignitability						
D007	Chromium						
D002	Solid waste that exhibits the characteristic of corrosivity	900	POUNDS	GENERATED	2009	1750	1990
P001	2H-1-Benzopyran-2-one	1	POUNDS	GENERATED	2009		
	Silver	80	GALLONS	GENERATED	2002		
	Spent halogenated solvents	60	GALLONS	GENERATED	2002		
B007	Other PCB Wastes including contaminated soil, solids, sludges, clothing, etc.	489	KILOGRAMS	GENERATED	2000		
F001	Spent halogenated solvents used in degreasing	55	GALLONS	GENERATED	2000		
F003	Spent non-halogenated solvents	10	GALLONS	GENERATED	1996		
D005	Barium	280	POUNDS	GENERATED	1990		
U044	Chloroform	250	POUNDS	GENERATED	1990		

NOTE: 2013 waste amounts are for 1/1/13 to 4/15/13 only

Map Identification Number 176

NYSDEC Name: **NYC DEPT HOMELESS SERV KINGS PSYCH CTR**
NYSDEC Address: 681 CLARKSON AVE BLDG 8 BROOKLYN, NY 11203
EPA (RCRA) Name: DASNY - HOMELESS SHELTER - DHS
EPA (RCRA) Address: 681 CLARKSON AVE BLDG 8 BROOKLYN, NY 112032125
BLOCK 4833 LOT 1

Facility Id: NYR000032649
TT-Id: 740A-0016-564

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 612 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 681 CLARKSON AVE
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Contact Name: ALVIS J STERNS Source Type: Notification
Notification date: 11/29/1996
Incinerator:
Transporter:
Contact Phone: 212-630-9318 Contact Info Date: 11/29/1996

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	HISTORIC MAXIMUM YEAR
D008	Lead	6900	POUNDS	GENERATED	1997	28000	1996

Identification Number 177 **NYSDEC Name:** **NYC DEPT OF HOMELESS SVCS** **Facility Id: NYR000032987**
NYSDEC Address: 681 CLARKSON AVE BROOKLYN, NY 11203 TT-Id: 740A-0016-562
EPA (RCRA) Name: DASNY - HOMELESS SHELTER-DHS
EPA (RCRA) Address: 681 CLARKSON AVE BLDG #6 BROOKLYN, NY 112032125
BLOCK #4833 LOT #1

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 612 feet to the SW

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: ALVIS J STERNS Source Type: Implementer
Contact Name: ALVIS J STERNS Source Type: Notification
Notification date: 12/10/1996
Incinerator:
Transporter:
Contact Phone:
Contact Phone: 212-630-9318
Contact Info Date: 01/01/2006
Contact Info Date: 12/10/1996

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	HISTORIC MAXIMUM YEAR
D008	Lead	29200	POUNDS	GENERATED	1997		

Map Identification Number 178 **NYSDEC Name:** **KINGSBORO PSYCHIATRIC CENTER** **Facility Id: NYX200075301**
NYSDEC Address: 681 CLARKSON AVENUE-BLDG 21 RECEIVING DEPT BROOKLYN, NY 11203 EPA Id: 740A-0016-565

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 612 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 681 CLARKSON AVENUE
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.

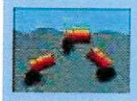
WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
D001	Solid waste that exhibits the characteristic of ignitability	610	POUNDS	GENERATED	1985		
D002	Solid waste that exhibits the characteristic of corrosivity	100	POUNDS	GENERATED	1985		
X940	Unknown waste type.	1200	POUNDS	GENERATED	1985		



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 179 **HOSPITAL-KINGSBROOK JEWISH MED CTR**
585 SCHENECTADY AVE
EPA (FINDS) Name: HOSPITAL-KNGSBRK JWS
EPA (FINDS) Address: 74-102 EAST 49TH

Facility Id: 3604700089
BROOKLYN, NY 11203

BROOKLYN 11201

State-county CDS Id: 3604700089
State-county NED id:
TT-ID: 900A-0001-553

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

CDS-ID: 00089 NED-ID: None Given
Phone #1: (718)604-5267 Plant Phone #2: None Given
ting Status: OPERATING
EPA-ID: NYD068298306 FINDS-ID: NYD068298306
EPA Classification: ACTUAL EMISSIONS <100 TONS/YR, BUT POTENTIAL UNCONTROLLED EMISSIONS >100 TONS/YR
State Classification: ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
EPA Plant Compliance Status:
State Plant Compliance Status: IN VIOLATION WITH REGARD TO PROCEDURAL COMPLIANCE

AIR PROGRAM INFORMATION
Regulatory Air Program: SIP SOURCE
Program Status: OPERATING
Regulatory Air Program: TITLE V PERMITS
Program Status: OPERATING

POLLUTANT INFORMATION
Pollutant: NITROGEN DIOXIDE
State Pollutant Compliance for this pollutant: IN VIOLATION WITH REGARD TO PROCEDURAL COMPLIANCE
Pollutant: TOTAL PARTICULATE MATTER
State Pollutant Compliance for this pollutant: IN COMPLIANCE - CERTIFICATION

Map Identification Number 180 **RUTLAND NURSING HOME**
585 SCHENETADY AVE

Facility Id: 36047P000V
BROOKLYN, NY 11203

State-county CDS Id: 36047P000V
State-county NED id:
TT-ID: 900A-0002-159

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: 585 SCHENECTADY AV
Revised zip code: NO CHANGE

CDS-ID: P000V NED-ID: None Given EPA-ID: None Given FINDS-ID: None Given
Plant Phone #1: (718)604-5731 Plant Phone #2: None Given
Operating Status: OPERATING
EPA Classification:
State Classification: POTENTIAL EMISSIONS ARE BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS IF AND ONLY IF SOURCE COMPLIES WITH FEDERALLY ENFORCEABLE REGULATIONS OR LIMITATIONS
EPA Plant Compliance Status:
State Plant Compliance Status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

AIR PROGRAM INFORMATION
Regulatory Air Program: SIP SOURCE Program Status: OPERATING
Regulatory Air Program: TITLE V PERMITS Program Status: OPERATING

POLLUTANT INFORMATION
Pollutant: NITROGEN DIOXIDE
State Pollutant Compliance for this pollutant: IN COMPLIANCE - INSPECTION
Pollutant: NITROGEN DIOXIDE
State Pollutant Compliance for this pollutant: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

Identification Number 181 **MERIT** **Facility Id: 3604700600** **State-county CDS Id: 3604700600**
530-546 UTICA AVE BROOKLYN, NY 11203 State-county NED id:
EPA (FINDS) Name: MERIT TT-ID: 900A-0001-632
EPA (FINDS) Address: 530-546 UTICA AVE BROOKLYN 11203

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 194 feet to the NE*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

CDS-ID: 00600 NED-ID: None Given EPA-ID: NYD982185787 FINDS-ID: NYD982185787
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 - CERTIFICATION

AIR PROGRAM INFORMATION
Regulatory Air Program: SIP SOURCE Program Status: OPERATING

POLLUTANT INFORMATION
Pollutant: VOLATILE ORGANIC COMPOUNDS
State Pollutant Compliance for this pollutant: IN COMPLIANCE - CERTIFICATION

Map Identification Number 182 **UTTICA PETROLEUM**
611 UTICA AVENUE
EPA (FINDS) Name: UTTICA PETROLEUM
EPA (FINDS) Address: 611 UTICA AVENUE

Facility Id: 3604700183 **State-county CDS Id: 3604700183**
BROOKLYN, NY 112030000 State-county NED id:
TT-ID: 900A-0001-569

BROOKLYN 112030000

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 395 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

CDS-ID: 00183 NED-ID: None Given
Plant Phone #1: None Given Plant Phone #2: None Given
Operating Status: OPERATING
EPA Classification:
State Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
EPA Plant Compliance Status:
State Plant Compliance Status: IN COMPLIANCE - INSPECTION

EPA-ID: NY0001496462 FINDS-ID: NY0001496462

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 183 **AMOCO**
529 UTICA AVE
EPA (FINDS) Name: AMOCO
EPA (FINDS) Address: 529 UTICA AVE

Facility Id: 3604700668 **State-county CDS Id: 3604700668**
BROOKLYN, NY 11211 State-county NED id:
TT-ID: 900A-0002-067

BROOKLYN 11211

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (1)
Approximate distance from property: 435 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11203

CDS-ID: 00668 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 - CERTIFICATION

EPA-ID: NYD986988046 FINDS-ID: NYD986988046

AIR PROGRAM INFORMATION
Regulatory Air Program: SIP SOURCE Program Status: OPERATING

POLLUTANT INFORMATION
Pollutant: VOLATILE ORGANIC COMPOUNDS
State Pollutant Compliance for this pollutant: IN COMPLIANCE - CERTIFICATION

Map Identification Number 184 **KINGSBORO PSYCHIATRIC CENTER** **Facility Id: 3604700091** **State-county CDS Id: 3604700091**
681 CLARKSON AVENUE BROOKLYN, NY 11201 State-county NED id:
EPA (FINDS) Name: HOSPITAL-BRKLYN STTE TT-ID: 900A-0002-680
EPA (FINDS) Address: 681 CLARKSON AVENUE BROOKLYN 11201

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 565 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11203

CDS-ID: 00091 NED-ID: None Given EPA-ID: NYD986888758 FINDS-ID: NYD986888758
Phone #1: None Given Plant Phone #2: None Given
ing Status: OPERATING
EPA Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
State Classification: POTENTIAL EMISSIONS ARE BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS IF AND ONLY IF SOURCE COMPLIES WITH FEDERALLY ENFORCEABLE REGULATIONS OR LIMITATIONS
EPA Plant Compliance Status:
State Plant Compliance Status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

AIR PROGRAM INFORMATION
Regulatory Air Program: SIP SOURCE Program Status: OPERATING

POLLUTANT INFORMATION
Pollutant: NITROGEN DIOXIDE
State Pollutant Compliance for this pollutant: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Pollutant: DEFAULT POLLUTANT FROM CDS
State Pollutant Compliance for this pollutant: IN COMPLIANCE - CERTIFICATION

Map Identification Number 185 **KINGSBORO PSYCH CTR** **Facility Id: NY047Y003** **State-county CDS Id:**
681 CLARKSON AVE BROOKLYN, NY 11203 State-county NED id: 36047Y003
EPA (FINDS) Name: KINGSBORO PSYCH CTR TT-ID: 900A-0002-679
EPA (FINDS) Address: 681 CLARKSON AVE BROOKLYN 11203

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 565 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

CDS-ID: None Given
Plant Phone #1: None Given
NED-ID: Y003
Plant Phone #2: (000)000-0000
EPA-ID: None Given
FINDS-ID: NYD986888758
Operating Status:
EPA Classification:
State Classification:
EPA Plant Compliance Status:
State Plant Compliance Status:

AIR PROGRAM INFORMATION
No air program information given.

POLLUTANT INFORMATION
No air pollutant information given.



NO CIVIL & ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS



NO NYC ENVIRONMENTAL QUALITY REVIEW REQUIREMENTS – "E" DESIGNATION SITES IDENTIFIED WITHIN 250 FT SEARCH RADIUS

U.S. EPA EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS) SPILLS
AT THE LOCATION OR POTENTIALLY AT THE LOCATION OF
Kingsbrook Medical Center
Brooklyn, NY 11203

* Any ERNS Spills listed below are NOT mapped in this report *

ONSITE ERNS (A count of these spills can be found in the distance interval table):
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

POTENTIALLY ONSITE ERNS:
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

Copyright 2013 Toxics Targeting, Inc. December 19, 2013 'Kingsbrook Medical Center'

Unmappable facilities for 'Kings' County

NPL/CERCLIS/NYSDEC Inactive Haz. Waste or Reg. Qual. Sites

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYD980531628	WILLIAM HARVEY CORP	UNKNOWN	BROOKLYN	UNKNOWN
NYD980531966	BKLYN UNION GAS /FLATBUSH WORKS	E CLARKSON & NOSTRAND AVE	BROOKLYN	11225

Solid Waste Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
24D05	EMPIRE MILL DEMO			UNKNOWN
24D07	RED HOOK CONTAINER DEMO			UNKNOWN
24M01	ASHMONT METALS RES.REC.			UNKNOWN
24T55	CARDELLA TRUCKING			UNKNOWN
24T75	ROBERT BOLOGNA WCTB INC.			UNKNOWN
24TA8	U.S. COAST LINE, INC.			UNKNOWN
24TB3	J. WISE EXCAVATING			UNKNOWN
24Y81	NYCDPR YARD WASTE COMPOST			UNKNOWN
		REMSEN AVE.	BROOKLYN	UNKNOWN

Hazardous Spills - MISC. SPILL CAUSES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
1305804	STRUCTURE	DEKALB AVE	BROOKLYN	UNKNOWN
1302260	POLE 41239	EAST 49TH STREET	BROOKLYN	UNKNOWN
1209854	NYC TRANSIT SPILL ON TRACK	MONTAQUE RAIL STATION IN TUBE	BROOKLYN	UNKNOWN
0308367	AGUANA SUBSTATION	104-27 STREET	BROOKLYN	UNKNOWN

Hazardous Spills - TANK FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8607075	SPILL NUMBER 8607075			UNKNOWN
9313502	1782 GLEASON AVE	1782 GLEASON AVE	BROOKLYN	UNKNOWN
9109440	HOBBY SHOP GARAGE/US NAVY	HOBBY SHOP GARAGE	BROOKLYN	UNKNOWN
0403237	21 E PITKIN AVE	21 E PITKIN AVE	BROOKLYN	UNKNOWN
0200491	ABC TANK REPAIR	93RD ST AT DEAD END	BROOKLYN	UNKNOWN

Hazardous Spills - TANK TEST FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0605577	MERIDIAN PROPERTIES	101 LINCOLN BLVD	BROOKLYN	UNKNOWN
8806571	CLOSED-LACKOF RECENT INFO	ADMINISTRATION BLDG	NYC	UNKNOWN

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9213773	SPILL NUMBER 9213773			UNKNOWN
8603146	SPILL NUMBER 8603146			UNKNOWN
0209904	VARIOUS DEP -BWSO SITES	MISC.	BRONX/QUEENS/MANHATTAN	UNKNOWN
9912359	BOX 20341	715 PAHALEY ST	BROOKLYN	UNKNOWN
9907077	MANHOLE 58390	NECKING LAND AVE	BROOKLYN	UNKNOWN
9901523	BROWNING FERRIS INDUSTRIE	115 CANGNEF STREET ?	BROOKLYN	UNKNOWN
9815288	MANHOLE 14244	29-39 HAYWOOD ST	BROOKLYN	UNKNOWN
9813982	SERVICE BOX 49009	SERVICE BOX 49009	BROOKLYN	UNKNOWN
9812836	TRANSFORMER MANHOLE 302	EASTSIDE SCHENECTADY AVE	BROOKLYN	UNKNOWN
9812720	SPILL NUMBER 9812720	2929 BAINBRIDGE AVE	BROOKLYN	UNKNOWN
9810044	TM 762	TROY AVE	BROOKLYN	UNKNOWN
9801951	432 DRAKES AVE CORP	432 DRAKES AVE	BROOKLYN	UNKNOWN
9412310	217 HYLAND ST	217 HYLAND ST	BROOKLYN	UNKNOWN
9312482	NAVESINK RIVER CHANNEL #7	NAVESINK RIVER CHANNEL #7	BROOKLYN	UNKNOWN
9306347	WHITE AVE - BLDG 114	WHITE AVE - BLDG 114	BROOKLYN	UNKNOWN
9305573	VARIOUS LOTS IN BROOKLYN	VARIOUS LOTS IN BROOKLYN	BROOKLYN	UNKNOWN

9214290	1200 NECK ROAD	1200 NECK ROAD	BROOKLYN	UNKNOWN
9210843	UNK	UNKNOWN	BROOKLYN	UNKNOWN
9004558	GUID AVE BRIDGE/BKLYN	GUID AVE BRIDGE	BROOKLYN	UNKNOWN
8704318	SPILL NUMBER 8704318		BROOKLYN	UNKNOWN
8504687	BROOKLYN	BROOKLYN	BROOKLYN	UNKNOWN
8503558	BROOKLYN	BROOKLYN	BROOKLYN	UNKNOWN
8503309	SUNOCO BROOKLYN	BROOKLYN	BROOKLYN	UNKNOWN
8503172	BROOKLYN, KINGS	BROOKLYN, KINGS	BROOKLYN	UNKNOWN
8502862	GAS COMPANY	GAS COMPANY	BROOKLYN	UNKNOWN
8100041	SUBWAY-NYC	SUBWAY-NYC	BROOKLYN	UNKNOWN
7900928	SPILL NUMBER 7900928		BROOKLYN	UNKNOWN
1303429	FEEDER LEAK	N. MORE AND WEST ST.	BROOKLYN	UNKNOWN
1103986	ON WATER	OFF GARRISON BEACH	BROOKLYN	UNKNOWN
1009098	221503; ALBANY AVE	ALBANY AVE	BROOKLYN	UNKNOWN
0803914	LAFARGE CEMENT CO	UNKNOWN	BROOKLYN	UNKNOWN
0711377	3424 CLINTON ROAD	3424 CLINTON ROAD	BROOKLYN	UNKNOWN
0604140	NYCSCA - WINGATE HIGH SCHOOL	600 KINGSTON AVE	BROOKLYN	11203
0504777	BROAD CREEK	2 DEER COURT	BROOKLYN	UNKNOWN
0410681	TRANDFORMER VAULT #TM993	SUMNER AVE. AND DEKALB	BROOKLYN	UNKNOWN
0410369	RESIDENCE	57 BRAND STREET	BROOKLYN	UNKNOWN
0405797	VAULT #VS-7930	3411 JUIEER AVE	BROOKLYN	UNKNOWN
0405023	VAULT # 3182	DEBEVOIST PLACE/LAFAYETTE	BROOKLYN	UNKNOWN
0312773	SUBWAY SYSTEM-A LINE	TRACK A-3- COLUMN 792	BROOKLYN	UNKNOWN
0310941	MANHOLE 32221 FRONT OF	298 HAWKSIDE AVE	BROOKLYN	UNKNOWN
0211077	ALL OVER BROOKLYN	ALL OVER BROOKLYN	BROOKLYN	UNKNOWN
9904431	SPILL NUMBER 9904431	FLUSHING/QUARTER AVE	MANHATTAN	UNKNOWN
9103671	145 UNEDON ROAD/BKLYN	145 UNEDON ROAD	NEW YORK CITY	UNKNOWN
8907973	CARROLL ST/BKLYN	CARROLL STREET	NEW YORK CITY	UNKNOWN
176	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
66	UNK	UNKNOWN	UNKNOWN	UNKNOWN

Hazardous Spills - MISC. SPILL CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9404620	BROOKLYN EXPWY	UNDER B'KLYN EXPWY	BRONX	UNKNOWN
1006871	COMMERCE PUMP STATION	COMMERCE RD	BRONX	UNKNOWN
9914811	POLE #18923	MANOR RD/HOLLYWOOD AVE	BROOKLYN	UNKNOWN
9907586	VAULT 2488	45 DEBEVOISE PLACE	BROOKLYN	UNKNOWN
9702024	UTICA AVE SUBSTATION	UTICA AVE SUBSTATION	BROOKLYN	UNKNOWN
9602674	CROSS HARBOR	BOX 182	BROOKLYN	UNKNOWN
9510467	DRIVER SERVICES CO	172 CARSON AVE	BROOKLYN	UNKNOWN
9508762	PERGAMENT STORES	57 65TH AVE	BROOKLYN	UNKNOWN
9505269	N. ELEANOR PL/WILLIAMBURG	MANHOLE #55915/ELEANOR PL	BROOKLYN	UNKNOWN
9409670	531 144TH STREET	531 144TH STREET	BROOKLYN	UNKNOWN
9400526	GATES AVENUE	GATES AVENUE	BROOKLYN	UNKNOWN
9308950	JAMAICA REGULATOR #3	JAMAICA REGULATOR #3	BROOKLYN	UNKNOWN
9307862	EAST 92ND STREET	EAST 92ND STREET	BROOKLYN	UNKNOWN
9307209	HILLARY STREET	HILLARY STREET	BROOKLYN	UNKNOWN
9304944	1604 LOTS 28 & 37-44 PLUS	1604 LOTS 28 & 37-44 PLUS	BROOKLYN	UNKNOWN
9213983	1149 SLAVEY AVENUE	1149 SLAVEY AVENUE	BROOKLYN	UNKNOWN
9210698	2110 BOLTON STREET	2110 BOLTON STREET	BROOKLYN	UNKNOWN
9207289	LYNROCK NURSING HOME	LYNROCK NURSING HOME	BROOKLYN	UNKNOWN
9205306	909 AVE G	909 AVE G	BROOKLYN	UNKNOWN
9203867	280 ELDRIDGE ST	280 ELDRIDGE ST	BROOKLYN	UNKNOWN
9201537	241 N MAIN ST/TOP SHELF	241 N MAIN ST/TOP SHELF	BROOKLYN	UNKNOWN
8607666	CHEVRON STATION / BROOKLY	CHEVRON/DRUM	BROOKLYN	UNKNOWN
8606856	SPILL NUMBER 8606856		BROOKLYN	UNKNOWN
1306112	UTICA AVE & JOHN STREET	UTICA AVE & JOHN STY	BROOKLYN	UNKNOWN
1303396	MOTOR VEHICLE ACCIDENT	GARRISON INLET BRIDGE	BROOKLYN	UNKNOWN
1216238	ROADWAY SPILL	GARRISON BEACH ST/LOUIS AVE	BROOKLYN	UNKNOWN
1211499	BASEMENT	36 PARGETHE STREET	BROOKLYN	UNKNOWN

1209775	BROOKLYN	ALL STREETS	BROOKLYN	UNKNOWN
1208189	SANDY FOLLOW UP	MARGINEL STREET	BROOKLYN	UNKNOWN
1207169	STREET	WHIKOSS AVE	BROOKLYN	UNKNOWN
1206293	ON ROAD (BUS #6493)	FRESH POND RD AND 6TH AVE	BROOKLYN	UNKNOWN
1204507	GENERATOR LEAK AND FIRE (US POWER GEN)	1 WHALE COURT	BROOKLYN	UNKNOWN
1201439	BROOKLYN CRUISE TERMINAL	BROOKLYN CRUISE TERMINAL	BROOKLYN	UNKNOWN
1200646	HESS TERMINAL	CORTEZ RD AND CLAYTON ST	BROOKLYN	UNKNOWN
1113411	PORT NY/NJ	PORT	BROOKLYN	UNKNOWN
1101447	POLE # 62699	2715 ROUND ST	BROOKLYN	UNKNOWN
1012925	ROADWAY	WASHINGTON PLAZA	BROOKLYN	UNKNOWN
1009644	ROADWAY	WASHINGTON PLAZA	BROOKLYN	UNKNOWN
1009088	221422; S NY AVE	S NY AVE	BROOKLYN	UNKNOWN
1008141	GOWANUS BAY/US POWER GEN	420 AND 2END AVE	BROOKLYN	UNKNOWN
1005512	NEWTOWN CREEK-BUCKEYE PIPE	ACROSS FROM THE BUCKEYE	BROOKLYN	UNKNOWN
1003496	TM # 78	NORTHSIDE OF MONTROSE AVE	BROOKLYN	UNKNOWN
0914587	219027; 86 STREET AND 17 STREET	86 STREET AND 17 STREET	BROOKLYN	UNKNOWN
0914424	218248; YORK STREET AND GREEN LANE	YORK STREET AND GREEN LANE	BROOKLYN	UNKNOWN
0912508	REGULATOR OH-6	BROOKLYN ARMY TERMINAL	BROOKLYN	UNKNOWN
0909834	MAN HOLE #5085	EAST NY AVE AND BEAM STREET	BROOKLYN	UNKNOWN
0811729	WEST SIDE OF SCHENECTADY AVE	WEST SIDE OF SCHENECTADY AVE	BROOKLYN	UNKNOWN
0808967	DRUM RUN	RYERSON AVE	BROOKLYN	UNKNOWN
0808797	TRANSFORMER	NORTH SIDE OF AVENUE A	BROOKLYN	UNKNOWN
0807442	BROOKLYN CRUISE TERMINAL	1 CRUIZE WAY	BROOKLYN	UNKNOWN
0805706	MANHOLE #724	YORK ST/ GREEN LANE	BROOKLYN	UNKNOWN
0712922	BREE AVE AND BRIGGS AVE	BREE AVE AND BRIGGS AVE	BROOKLYN	UNKNOWN
0706451	ONE PINT FROM AERIAL XFMR ON POLE	IN FRONT OF 230-50 EDGEWOOD AVE	BROOKLYN	UNKNOWN
0701967	SPRAGUE ENERGY TRUCK	2449 HALLWAY AVE	BROOKLYN	UNKNOWN
0701086	FORMER BUS YARD	CARLTON AVE	BROOKLYN	UNKNOWN
[illegible]911	IN THE STREET	KENTH AVE	BROOKLYN	UNKNOWN
[illegible]41	HESS TERMINAL	PORT STREET	BROOKLYN	UNKNOWN
[illegible]884	PARKING LOT	909 PROMOTIONAL DEV. IND	BROOKLYN	UNKNOWN
0607043	DEP FACILITY	WEST SIDE OF DIGESTER BUI	BROOKLYN	UNKNOWN
0606084	UNKNOWN	UNKNOWN	BROOKLYN	UNKNOWN
0503928	MANHOLE 23700	PALISADES AVE	BROOKLYN	UNKNOWN
0406859	BUS #8401	GATES/UTICA AVE	BROOKLYN	UNKNOWN
0310444	TRANSFORMER 1935	LINDON BLVD	BROOKLYN	UNKNOWN
0307966	SPILL NUMBER 0307966	QUEENS CO. HOSPITAL	BROOKLYN	UNKNOWN
0302612	OLD BROOKLYN JEWISH HOSP	CLARKSTON AVE	BROOKLYN	UNKNOWN
0210185	11TH ST YARD	11TH ST	BROOKLYN	UNKNOWN
0207970	OPPOSITE	1630 SEMARKS AVE	BROOKLYN	UNKNOWN
0104610	CORONA YARD	UNKNOWN	BROOKLYN	UNKNOWN
0101703	ROADWAY	LINDEN BLVD	BROOKLYN	UNKNOWN
9700766	EAST 96TH ST SUB STATION	EAST 96TH ST SUB STATION	CANARSIE	UNKNOWN
8907014	70 NASSAU PLACE	70 NASSAU PLACE	NEW YORK	UNKNOWN
0814187	211097; NASSAU ST AND NASSAU PL	NASSAU ST AND NASSAU PL	NEW YORK	UNKNOWN
8911500	E 56TH ST & RALPH AVE	E 56TH ST & RALPH AVE	NEW YORK CITY	UNKNOWN
8810118	BLDG 3 SUB STATION/BKLYN	BLDG 3 SUB STATION	NEW YORK CITY	UNKNOWN
0814069	AMBROSE CHANNEL LOWER BAY	UNK	NEW YORK CITY	UNKNOWN

Petroleum Bulk Storage Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
2-237280	1160 REALTY CO	1160 REALTY CO	BROOKLYN	UNKNOWN
2-289442	412 AVENUE E	412 AVENUE E	BROOKLYN	UNKNOWN
2-611556	TOW TRUCK REPAIR SERVICE INC.	1911 EAST 46TH STREET	BROOKLYN	11203
NY03182	DEPT OF PARKS		BROOKLYN	UNKNOWN
NY08951	SECO MANAGEMENT	B KLYN NY	BROOKLYN	UNKNOWN

Hazardous Waste Generation or Transport Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYP004024683	CONSOLIDATED EDISON CO	V4204 UTICA AVE		UNKNOWN

NYP004026936	CONSOLIDATED EDISON CO	V4798 GRAND & CLINTON		UNKNOWN
NY0000004697	NYCTA	STILLWLL AVE	BROOKLYN	UNKNOWN
NYP000788471	USEPA	ERRD	BROOKLYN	UNKNOWN
NYP000928275	CONSOLIDATED EDISON	875 KAGERS AVE	BROOKLYN	UNKNOWN
NYP000928390	CONSOLIDATED EDISON	E 45TH ST	BROOKLYN	UNKNOWN
NYP000928846	CONSOLIDATED EDISON	MH 64217-BROOKLYN GRAND	BROOKLYN	UNKNOWN
NYP000929257	CONSOLIDATED EDISON	5 MARKS ST	BROOKLYN	UNKNOWN
NYP000937839	BELL ATLANTIC-NY	AVE/48 ST	BROOKLYN	UNKNOWN
NYP000959932	VERIZON	UTICA & ST JOHNS PL	BROOKLYN	11203
NYP003661550	NYCDEP	E 49TH ST BET LIRR & FARRAGUT	BROOKLYN	11203
NYP004048385	CONSOLIDATED EDISON	MH4690-N/E/C UTICA AVE	BROOKLYN	UNKNOWN
NYP004057972	CONSOLIDATED EDISON	MH21248	BROOKLYN	UNKNOWN
NYP004059010	CONSOLIDATED EIDSON	N/S	BROOKLYN	UNKNOWN
NYP004070264	CONSOLIDATED EDISON	MH12645	BROOKLYN	UNKNOWN
NYP004074357	CONSOLIDATED EDISON	MH61205	BROOKLYN	UNKNOWN
NYP004076185	CONSOLIDATED EDISON	MH7746	BROOKLYN	UNKNOWN
NYP004082954	CONSOLIDATED EDISON	40313 FULTON ST & GLASSOW ST	BROOKLYN	UNKNOWN
NYP004121414	CONSOLIDATED EDISON	PARK @ ELLIOT AVE MH4047	BROOKLYN	UNKNOWN
NYP004136180	CONSOLIDATED EDISON	MH24778-E21ST CONCLAVE I	BROOKLYN	UNKNOWN
NYP004138608	CONSOLIDATED EDISON	S/E/C WILLOUGHBY LANE	BROOKLYN	UNKNOWN
NYP004182911	CONSOLIDATED EDISON MH8843	MH 884390 90 ROSS ST	BROOKLYN	UNKNOWN
NYP004183331	CONSOLIDATED EDISON MH42983	MH42983 323 TANAKING AVE	BROOKLYN	UNKNOWN
NYP004184412	CON EDISON	N SIDE LENOX RD 20 FT W OF	BROOKLYN	11203
NYP004192154	CONSOLIDATED EDISON MH27077	MH27077	BROOKLYN	UNKNOWN
NYP004194890	CONSOLIDATED EDISON MH58388	HEGEMAN AVE & HERZL AVE	BROOKLYN	UNKNOWN
NYP004195525	CONSOLIDATED EDISON	CYPRESS AVE & STATE ST.	BROOKLYN	UNKNOWN
NYP004198099	CONSOLIDATED EDISON	F/O 1802 & 1809 AVE & 618 ST	BROOKLYN	UNKNOWN
NYP004241733	CONED	WILLIAMS STREET	BROOKLYN	UNKNOWN
NY[illegible]4285243	CON EDISON	N/E CORNER OF SEA GATES AVE & OCEANIC A	BROOKLYN	UNKNOWN
[illegible]1293841	CON EDISON	STILLWELL & AVE W	BROOKLYN	UNKNOWN
[illegible]4294450	CON EDISON	F OF 3073 EMMOS AVE	BROOKLYN	UNKNOWN
NYP004294518	CON EDISON	S SIDE WOORHIES AVE 150 FT E OF BRAGG ST	BROOKLYN	UNKNOWN
NYP004304945	CON EDISON	OPP 545 HARLY AVE	BROOKLYN	UNKNOWN
NYP004347585	CON EDISON	726 SHAKER ST	BROOKLYN	UNKNOWN
NYP004349585	CON EDISON	726 SACKER ST	BROOKLYN	UNKNOWN
NYP004352977	CON EDISON	88 VANDEREEN ST	BROOKLYN	UNKNOWN
NYP004363735	CON EDISON	418 HALSEY ST	BROOKLYN	UNKNOWN
NYP004370136	CON EDISON	MANHATTAN AVE	BROOKLYN	UNKNOWN
NYP004370672	CON EDISON	100 MAMARONECK ST	BROOKLYN	UNKNOWN
NYR000081851	NYCTA - UTICA SUBSTATION	UTICA AVE	BROOKLYN	UNKNOWN
NYR000140855	DLX INDUSTRIES	1970 INDUSTRIAL PARK ROAD	BROOKLYN	UNKNOWN
NY0000010363	NYCDOT	N/S	N/S	UNKNOWN
NYR000067843	NEW YORK CITY DEPT PARKS & RECREATION	11 ROSENGREV AVE	N/S	UNKNOWN
NYP000956748	VERIZON NEW YORK INC MANHOLE	NEW YORK AVE	NEW YORK	UNKNOWN
NYP000959932	VERIZON NEW YORK INC.	UTICA AVE MANHOLE	NEW YORK	UNKNOWN
NYP004049482	CONSOLIDATED EDISON	4 IRVING PLACE RM 300	NEW YORK	UNKNOWN
NYP004054946	CONSOLIDATED EDISON	V5971-LEXINGTON AVE	NEW YORK	UNKNOWN
NYP004120424	CONSOLIDATED EDISON	TM2403-N/S MESSERLE E/O 73RD	NEW YORK	UNKNOWN
NYP004141438	CONSOLIDATED EDISON	4 IRIVNG PL RM 828	NEW YORK	UNKNOWN
NYP000928826	CONSOLIDATED EDISON	V2748 - WINTHROP	QUEENS	UNKNOWN
NYP000930479	CONSOLIDATED EDISON CO	V6312-LENOX	QUEENS	UNKNOWN
NYP000931113	CONSOLIDATED EDISON CO	V8190-EAST 49TH ST	QUEENS	UNKNOWN
NYP004003778	CONSOLIDATED EDISON	V815 - UNION AVE	QUEENS	UNKNOWN
NYP004005195	CONSOLIDATED EDISON	V 2949 - E 49ST	QUEENS	UNKNOWN
NYP004004867	CONSOLIDATED EDISON	V5252 - E 45ST	QUUENS	UNKNOWN

Wastewater Discharges

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYU200022	NYCDEP OMNIBUS IV ORDER			UNKNOWN
NYU900073	NEW YORK CITY TRANSIT AUTH.			UNKNOWN

Air Releases

FACILITY ID	FACILITY NAME		STREET	CITY	ZIP
3604700161	MOT/ARMY		NO STREET ADDRESS	BROOKLYN	UNKNOWN
NY047X4UE	SUPERIOR FIBRES INC	KINGS (B	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY047XAXP	SHARMONT REALTY	KINGS (B	NO STREET ADDRESS	NO CITY NAME	UNKNOWN

Hazardous waste codes presented in individual Toxic Information Profiles are defined below.

B002 Petroleum oil or other liquid containing 50 ppm or greater of PCBs but less than 500 ppm PCBs. This includes oil from electrical equipment whose PCB concentration is unknown, except for circuit breakers, reclosers and cable.

B007 Other PCB Wastes including contaminated soil, solids, sludges, clothing, rags, and dredge material.

D001 Solid waste that exhibits the characteristic of ignitability, but is not listed under any other hazardous waste code.

D002 Solid waste that exhibits the characteristic of corrosivity, but is not listed under any other hazardous waste code.

D003 Solid waste that exhibits the characteristic of reactivity, but is not listed under any other hazardous waste code.

D005 Barium

D008 Lead

D009 Mercury

D011 Silver

BENZENE

D024 m-Cresol

F001 The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)

F002 The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)

F003 The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent non-halogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and, a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (I)*

F005 The following spent non-halogenated solvents: Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene,

2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (I,T)

P001 2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%

P075 Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts

P098 Potassium cyanide

U044 Chloroform

U122 Formaldehyde

U151 Mercury

U188 Phenol

X940

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

location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a digital version of the street or parcel map. These site locations are identified with the method used to map them.

Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/ operators or government agencies. These site locations are identified "map coordinate." Map coordinates for Toxic Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect.

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

Information Source Guide

Toxics Targeting's Environmental Reports contain government and other information compiled on 21 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. Also includes delisted NPL sites.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated from: 5/2/2013. Data obtained by Toxics Targeting: 5/2/2013.
New Facilities updated through: 5/2/2013. Data obtained by Toxics Targeting: 5/2/2013.

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: 5/2/2013. Data obtained by Toxics Targeting: 5/2/2013.
New Facilities updated to: 5/2/2013. Data obtained by Toxics Targeting: 5/2/2013.

3) **Corrective Action Activity (CORRACTS):** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
Data attributes updated through: 10/17/2013. Data obtained by Toxics Targeting: 10/30/2013.
New facilities updated through: 10/17/2013. Data obtained by Toxics Targeting: 10/30/2013.

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: 4/25/2013. Data obtained by Toxics Targeting: 7/2/2013.
New Facilities updated through: 4/25/2013. Data obtained by Toxics Targeting: 7/2/2013.

5) **Brownfield Programs:** NYS programs for sites that are abandoned, idled or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.
ASTM required.* Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 5/2/2013. Data obtained by Toxics Targeting: 5/2/2013.
New Facilities updated to: 5/2/2013. Data obtained by Toxics Targeting: 5/2/2013.

(a) **Brownfield Cleanup Program (BCP)**
(b) **Voluntary Cleanup Program (VCP)**
(c) **Environmental Restoration Program (ERP)**

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: 12/31/2001. Data obtained by Toxics Targeting: 3/16/2002.

(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 Bureau of Hazardous Waste Facility Compliance pursuant to NYS Law and the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 10/25/2013. New facilities obtained by Toxics Targeting: 11/5/2013.
Manifest transactions data updated to: 10/25/2013. Manifest transactions data obtained by Toxics Targeting: 11/5/2013.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 10/17/2013. Data obtained by Toxics Targeting: 10/30/2013.
Data attributes updated through: 10/17/2013. Data obtained by Toxics Targeting: 10/30/2013.

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: 9/20/2013 New spills data obtained by Toxics Targeting: 9/20/2013
Spill attribute data through: 9/20/2013 Spill attribute data obtained by Toxics Targeting: 9/20/2013

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: 7/19/2013. Data obtained by Toxics Targeting: 7/19/2013.

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: 7/19/2013. Data obtained by Toxics Targeting: 7/19/2013.
Tank data updated through: 7/19/2013. Data obtained by Toxics Targeting: 7/19/2013.

(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 Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 10/25/2013. New facilities obtained by Toxics Targeting: 11/5/2013.
Manifest transactions data updated to: 10/25/2013. Manifest transactions data obtained by Toxics Targeting: 11/5/2013.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]

New facilities updated through: 10/17/2013. Data obtained by Toxics Targeting: 10/30/2013.
Data attributes updated through: 10/17/2013. Data obtained by Toxics Targeting: 10/30/2013.

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: 7/19/2013. Data obtained by Toxics Targeting: 7/19/2013.

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 Conservation[2]
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 Agency[1]
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 Planning[3]
Data updated through: 5/22/2013. Data obtained by Toxics Targeting: 5/30/2013

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: 4/8/2009. Data obtained by Toxics Targeting: 7/21/2009.

* 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).

[1]U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

[2]NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.

[3]New York City Department of City Planning, 22 Reade St, New York, NY 10007-1216

Kingsbrook Medical Center
585 Schenectady Avenue
Brooklyn, NY 11203

Inquiry Number: 3815184.4
January 02, 2014

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1928 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2013	Cole Information Services	-	X	X	-
2008	Cole Information Services	-	X	X	-
2005	Hill-Donnelly Corporation	X	X	X	-
2000	Cole Information Services	X	X	X	-
1997	NYNEX	X	X	X	-
1992	NYNEX Informantion Resource Co.	X	X	X	-
1985	NYNEX Information Resources Company	X	X	X	-
1980	New York Telephone	X	X	X	-
1976	New York Telephone	X	X	X	-
1973	New York Telephone	-	-	-	-
1970	New York Telephone	-	-	-	-
1965	New York Telephone	-	X	X	-
1960	New York Telephone	-	X	X	-
	New York Telephone Company	-	X	X	-
1949	New York Telephone	-	X	X	-
1945	New York Telephone	-	-	-	-
1940	New York Telephone	-	-	-	-
1934	R. L. Polk & Co.	-	X	X	-
1928	New York Telephone	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

585 Schenectady Avenue
Brooklyn, NY 11203

FINDINGS DETAIL

Target Property research detail.

Schenectady

585 Schenectady

Year	Uses	Source
2005	Abramovich Melissa	Hill-Donnelly Corporation
	Alston Deloris	Hill-Donnelly Corporation
	Aubin Marlene	Hill-Donnelly Corporation
	Bobb Kenton	Hill-Donnelly Corporation
	Brand K	Hill-Donnelly Corporation
	Breland William	Hill-Donnelly Corporation
	Bruckenstein M	Hill-Donnelly Corporation
	Charles Louis Otel	Hill-Donnelly Corporation
	Crayton J	Hill-Donnelly Corporation
	Daniels Yvonne	Hill-Donnelly Corporation
	Dixon Lorraine	Hill-Donnelly Corporation
	Drukartz Mark 3 DDS	Hill-Donnelly Corporation
	Edwards S	Hill-Donnelly Corporation
	Ekstrom Marilyn A	Hill-Donnelly Corporation
	Freedman Peter	Hill-Donnelly Corporation
	Freeman Thomas	Hill-Donnelly Corporation
	Greene Ronald	Hill-Donnelly Corporation
	h Alleyne Euston	Hill-Donnelly Corporation
	h Brock Elmar A o	Hill-Donnelly Corporation
	h Catanzaro M	Hill-Donnelly Corporation
	h Clementson Ronald	Hill-Donnelly Corporation
	h Figueroa Angelica	Hill-Donnelly Corporation
	h Fougere Justin o	Hill-Donnelly Corporation
	h James Rebecca	Hill-Donnelly Corporation
	h Nunez Rafael	Hill-Donnelly Corporation
	h Owens Alma	Hill-Donnelly Corporation

FINDINGS

Year	Uses	Source
2005	h Rock Betty	Hill-Donnelly Corporation
	h Spagnuolo Helen	Hill-Donnelly Corporation
	h Springer Leopold v	Hill-Donnelly Corporation
	h Supplice J	Hill-Donnelly Corporation
	H Williams Rose	Hill-Donnelly Corporation
	Huh Chung Ho s	Hill-Donnelly Corporation
	Hyland Francis Lynette	Hill-Donnelly Corporation
	Jack Adlyn	Hill-Donnelly Corporation
	Jackson Clifford AV	Hill-Donnelly Corporation
	Jackson Majorie	Hill-Donnelly Corporation
	Jackson Rosemary	Hill-Donnelly Corporation
	Jeremiah H	Hill-Donnelly Corporation
	Jones Viola	Hill-Donnelly Corporation
	Kingsbrook Jewish Medical Ctr	Hill-Donnelly Corporation
	Kingsbrook Jewish Medical Libr	Hill-Donnelly Corporation
	Laughlin Maureen	Hill-Donnelly Corporation
	Magitsky Saul Yefim MD	Hill-Donnelly Corporation
	Mason Michael	Hill-Donnelly Corporation
	Mcnally Evelyn	Hill-Donnelly Corporation
	Ming ua Lerice	Hill-Donnelly Corporation
	Morris Steven	Hill-Donnelly Corporation
	Multi Unit Address	Hill-Donnelly Corporation
	Number102 Scott Irene	Hill-Donnelly Corporation
	Number108 Folk Frank MD	Hill-Donnelly Corporation
	Number2 Milman Eduard MD	Hill-Donnelly Corporation
	Number211 Fresko David MD	Hill-Donnelly Corporation
	Number221 Rehabilitation Dept	Hill-Donnelly Corporation
	Number309 Kahan Miles MD	Hill-Donnelly Corporation
	Number309 Sriaav Vinay C MD	Hill-Donnelly Corporation
	Number309 Mansukhani Mati G MD	Hill-Donnelly Corporation
	Number309 Mohan Sangita MD	Hill-Donnelly Corporation
	Number309 Mukherji Rajat MD	Hill-Donnelly Corporation
	Number309Tsai Chin Yang MD	Hill-Donnelly Corporation
	Number333 Gifford Irina MD	Hill-Donnelly Corporation
	Number340 Engel Joseph MD	Hill-Donnelly Corporation
	NumberMS 335 Huh Chung Ho MD r	Hill-Donnelly Corporation
	Obie Cecelia	Hill-Donnelly Corporation
	Pegues A	Hill-Donnelly Corporation

FINDINGS

Year	Uses	Source
2005	Perrin Valentine	Hill-Donnelly Corporation
	Pierre Luis Mary	Hill-Donnelly Corporation
	Pope Edd Jr	Hill-Donnelly Corporation
	Ricks J v	Hill-Donnelly Corporation
	Rusidn Asa P MD	Hill-Donnelly Corporation
	Ruskin Asa P A0	Hill-Donnelly Corporation
	Rutland Nursing Home	Hill-Donnelly Corporation
	Santiago Samuel	Hill-Donnelly Corporation
	Saunders B	Hill-Donnelly Corporation
	Sears Edwards	Hill-Donnelly Corporation
	Senat Thamelie	Hill-Donnelly Corporation
	Smith Eunice	Hill-Donnelly Corporation
	Staton Lilie	Hill-Donnelly Corporation
	Strachan Mehelda	Hill-Donnelly Corporation
	Supplice J MD	Hill-Donnelly Corporation
	Tobias Primus	Hill-Donnelly Corporation
	Trotman Lucile	Hill-Donnelly Corporation
	Van Etten James	Hill-Donnelly Corporation
	Veriguete Manuel	Hill-Donnelly Corporation
	Webster B	Hill-Donnelly Corporation
	Williams Thomas	Hill-Donnelly Corporation
2000	A CARRINGTON	Cole Information Services
	ALMA DWENS	Cole Information Services
	ANGELICA FIGUEROA	Cole Information Services
	ANGELINA LOPEZ	Cole Information Services
	B CLARK	Cole Information Services
	B JAMES	Cole Information Services
	BENJAMIN MOORE	Cole Information Services
	BERTHA AKHIONBARE	Cole Information Services
	BERTHA BIRD	Cole Information Services
	BRIDGETA AMOS	Cole Information Services
	CHAIM KANNER	Cole Information Services
	CHARLES DOVE	Cole Information Services
	CLAUDETTE SIMON	Cole Information Services
	CORNE SOARES	Cole Information Services
	DAISY L HARDY	Cole Information Services
	DAVID ALEXIS	Cole Information Services
	DONALD BELLAMY	Cole Information Services

FINDINGS

Year	Uses	Source
2000	DORMAN SMITH	Cole Information Services
	ERMA MOORE	Cole Information Services
	ESSIE JUSTICE	Cole Information Services
	EUSTON ALLEYNE	Cole Information Services
	EVERSLEY WILLIAMS	Cole Information Services
	F GARCIA-GAMBOA	Cole Information Services
	FRANCES PRINGLE	Cole Information Services
	FRANCIS MARKS	Cole Information Services
	HATTIE M GASH	Cole Information Services
	HELEN SPAGNUOLO	Cole Information Services
	HELLEN EVANS	Cole Information Services
	HUH CHUNG HO MD	Cole Information Services
	HYACINTH AUSTN	Cole Information Services
	JEAN RAVENEL	Cole Information Services
	JOSEPHINE CAMPBELL	Cole Information Services
	K MORRIS	Cole Information Services
	KGSBRK INFO & APPN	Cole Information Services
	KINGABROOK PHYS	Cole Information Services
	KINGSBROOK JEW CTR	Cole Information Services
	KNASBRK JEW MEDCL	Cole Information Services
	KNGABRK JEW MEDCL	Cole Information Services
	KNGSBRK JEW MADCL	Cole Information Services
	KNGSBRK JEW MDCL P	Cole Information Services
	KNGSBRK JEW MEDCL	Cole Information Services
	KNGSBRK JEW MODCL	Cole Information Services
	KNGSBRK MKTG & PAB	Cole Information Services
	KNGSBRK MNTL HITH	Cole Information Services
	KNGSBRK SFTY & SEC	Cole Information Services
	KNGSRK JEW MEDCL	Cole Information Services
	KOWSIL PARASRAM	Cole Information Services
	LELAND WALLER	Cole Information Services
	LEONARD FROHLICH	Cole Information Services
	LEOPOLD SPNNGER	Cole Information Services
	LILLIAN GOODMAN	Cole Information Services
	LINFORD BEMBRIDGE	Cole Information Services
	LUGATA ROBB	Cole Information Services
	M DAVIS	Cole Information Services
	MABEL WARD	Cole Information Services

FINDINGS

Year	Uses	Source
2000	MARE JENKINS	Cole Information Services
	MARIANA MARQUEZ	Cole Information Services
	MARILYN EKSTROM	Cole Information Services
	MARY WHITE	Cole Information Services
	PETER FREEDMEAN	Cole Information Services
	ROBERT GANNON	Cole Information Services
	ROSE WILLIAMS	Cole Information Services
	RUTLAND NUR HM CTR	Cole Information Services
	RUTLAND NURSING	Cole Information Services
	S LINTON	Cole Information Services
	SALVATORE MULA	Cole Information Services
	SERAFIN LZQUIERDO	Cole Information Services
	SUPPLICE J MD	Cole Information Services
	T STALEY	Cole Information Services
	TIMOTHY VINCENT	Cole Information Services
	U Z EDWARDS	Cole Information Services
	VIOLET GRANT	Cole Information Services
1997	Arthritis Pain Center	NYNEX
	B & F Pharmacy	NYNEX
	BAXTER Elaine	NYNEX
	CAMERON Ella	NYNEX
	CONDRON Margret	NYNEX
	CRUZ William	NYNEX
	DICKERSON Lawrence	NYNEX
	DOVE Charles	NYNEX
	DUGAR E	NYNEX
	EDEY Haldane	NYNEX
	EKSTROM Marilyn	NYNEX
	FIGUEROA Angelica	NYNEX
	FROHLICH Leonard	NYNEX
	GANNON Robert	NYNEX
	GASH Hattie M	NYNEX
	GERARDI Mary	NYNEX
	GURNEY William	NYNEX
	HYLTON M	NYNEX
	JENKINS Maria	NYNEX
	JOHNSON Ethel	NYNEX
	JOHNSON Rena	NYNEX

FINDINGS

Year	Uses	Source
1997	KARRIEM Abdul	NYNEX
	Kingsbrook Jewish Ctr	NYNEX
	KIRSHTEIN Michael	NYNEX
	LOPEZ A	NYNEX
	MARKS Francis	NYNEX
	MC FARLANE James	NYNEX
	MOHAN Doris	NYNEX
	MULA Salvatore	NYNEX
	OMPHROY Keith	NYNEX
	PHILLIPS E	NYNEX
	PRINGLE Frances	NYNEX
	RAMOS Louis	NYNEX
	RAYMOND Dorothy	NYNEX
	RICHMAN D	NYNEX
	ROBINS Abe	NYNEX
	Rutland Nursing Home Cl Kingsbrook Jewish Medical Center	NYNEX
	SPAGNUOLO Helen	NYNEX
	Supplice J MD	NYNEX
	TUROFF Blanche	NYNEX
	WALLER Leland	NYNEX
1992	B & F PHARMACY	NYNEX Informantion Resource Co.
	BERNSTEIN GUSSIE	NYNEX Informantion Resource Co.
	DICKERSON LAWRENCE	NYNEX Informantion Resource Co.
	DRAKE EVELYN	NYNEX Informantion Resource Co.
	FRIEDLANDER HETTY	NYNEX Informantion Resource Co.
	FROHLICH LEONARD	NYNEX Informantion Resource Co.
	GERSTEIN JEAN	NYNEX Informantion Resource Co.
	H F CONTROLS	NYNEX Informantion Resource Co.
	HOLTZMAN SYLVIA	NYNEX Informantion Resource Co.
	HUH CHUNG-HO MD	NYNEX Informantion Resource Co.
	IZQUIERDO SERAFIN	NYNEX Informantion Resource Co.
	JAMES ADELL	NYNEX Informantion Resource Co.
	KINGSBROOK JEWISH MEDICAL CENTER	NYNEX Informantion Resource Co.
	LEMBERG PHILIP	NYNEX Informantion Resource Co.
	LIEBERMAN RUTH	NYNEX Informantion Resource Co.
	MORREALE CATHERINE	NYNEX Informantion Resource Co.
	PHILLIPS VIOLET	NYNEX Informantion Resource Co.
	POVELL ROSE	NYNEX Informantion Resource Co.

FINDINGS

Year	Uses	Source
1992	REISENDER ELIZABETH	NYNEX Informantion Resource Co.
	ROBINS ABE	NYNEX Informantion Resource Co.
	ROGERS SHIRLEY	NYNEX Informantion Resource Co.
	RUTLAND NURSING HOME OF KINGSHROOK JEWISH MEDICAL CENTER	NYNEX Informantion Resource Co.
	SCHNEIDER F	NYNEX Informantion Resource Co.
	SPAGNUOLO HELEN	NYNEX Informantion Resource Co.
	SUSSMAN ROSLYN	NYNEX Informantion Resource Co.
	TEITELBAUM ANN	NYNEX Informantion Resource Co.
	WALKER JEANNETTE	NYNEX Informantion Resource Co.
	WILLIAMS KATY	NYNEX Informantion Resource Co.
	ZWEIGENHAFT F	NYNEX Informantion Resource Co.
1985	B & F PHARMACY	NYNEX Information Resources Company
	BERMAN ROSE	NYNEX Information Resources Company
	BIEGELEISEN RUTH	NYNEX Information Resources Company
	DAVID MINKIN REHABILITATION INST	NYNEX Information Resources Company
	DYM C	NYNEX Information Resources Company
	FIVESON JEAN	NYNEX Information Resources Company
	FRIEDLANDER HETTY	NYNEX Information Resources Company
	GERSTEIN JACK	NYNEX Information Resources Company
	GREENSPAN SADIE	NYNEX Information Resources Company
	HOSPITAL STATE UNIVERSITY	NYNEX Information Resources Company
	HUH CHUNG-HO MD	NYNEX Information Resources Company
	IZQUIERDO SERAFIN	NYNEX Information Resources Company
	JACOBS ALBERT	NYNEX Information Resources Company
	KAPLAN R	NYNEX Information Resources Company
	KINGSBROOK DENTAL GROUP	NYNEX Information Resources Company
	KLEISRATH MARY	NYNEX Information Resources Company
	KOHN P	NYNEX Information Resources Company
	KRAUSE MANFRED	NYNEX Information Resources Company
	LEE R	NYNEX Information Resources Company
	LEWITAN ALEXANDER MD	NYNEX Information Resources Company
	LINKSMAN A	NYNEX Information Resources Company
	NASS JACQUELINE	NYNEX Information Resources Company
	PENZONE RUTH	NYNEX Information Resources Company
	PIGGOTT ELDICA	NYNEX Information Resources Company
	POWERS A	NYNEX Information Resources Company
	RUTLAND NURSING HOME	NYNEX Information Resources Company
	SCHNEIDER F	NYNEX Information Resources Company

FINDINGS

Year	Uses	Source
1985	SCHNEIDER MONROE MD	NYNEX Information Resources Company
	SEIZ CHARLES E	NYNEX Information Resources Company
	SUSSMAN ROSLYN	NYNEX Information Resources Company
1980	BERMAN ROSE	New York Telephone
	BERTAN SOPHIE	New York Telephone
	HASTING ANNETTE	New York Telephone
	RIGGINS RONALD	New York Telephone
	RUTLAND NURSIN HOME	New York Telephone
	YOUNG C MRS	New York Telephone
1976	LOWY & DONNATH INC	New York Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

E 47TH

593 E 47TH

Year	Uses	Source
1934	BAGLEY ROBT CLK R	R. L. Polk & Co.

SCHENECTADY AVE

600 SCHENECTADY AVE

Year	Uses	Source
2005	Prioleau Temeka	Hill-Donnelly Corporation
	HLewis D	Hill-Donnelly Corporation
1992	AKHTAR MALIK DR	NYNEX Informantion Resource Co.
	WILLIAMS ALONZO	NYNEX Informantion Resource Co.
1980	THOMAS CLIVE A	New York Telephone
1976	THOMAS CLIVE A	New York Telephone
	BEVEL B	New York Telephone
1965	Gould Rose	New York Telephone
1960	GOULD ROSE	New York Telephone
	Gould Rose	New York Telephone Company

602 SCHENECTADY AVE

Year	Uses	Source
2013	HAMEED RIZWAN MD	Cole Information Services
2008	M M RAHMAN MD	Cole Information Services
2005	Rahman MM	Hill-Donnelly Corporation
	Rahman Mohammad MD	Hill-Donnelly Corporation
	Rahman Maqsoodur MD	Hill-Donnelly Corporation
2000	RAHMAN M M MD	Cole Information Services
	RAHMAN MQSDR MD	Cole Information Services
1992	BENJAMIN DAVID BONROUHI MD	NYNEX Informantion Resource Co.
	RAHMAN M M MD	NYNEX Informantion Resource Co.
	RAHMAN M M S MD PC	NYNEX Informantion Resource Co.
1985	MODERN MEDICAL LAB INC	NYNEX Information Resources Company
	RAHMAN M M MD	NYNEX Information Resources Company
	RAHMAN M M & SAXENA A K MD PC	NYNEX Information Resources Company

Year	Uses	Source
1985	SAXENA A MD PC	NYNEX Information Resources Company

606 SCHENECTADY AVE

Year	Uses	Source
2005	H Samuels Austin	Hill-Donnelly Corporation
2000	AUSTIN SAMUELS	Cole Information Services
1997	SAMUELS Austin	NYNEX
1992	WHITLOW PHYLIS	NYNEX Informantion Resource Co.
1985	WHITLOW PHYLIS	NYNEX Information Resources Company
	BAYLOR OSCAR	NYNEX Information Resources Company
1976	KIRSCH LAWRENCE	New York Telephone
1965	Kirsch Isidore	New York Telephone
1960	KIRSCH ISIDORE	New York Telephone
	Kirsch Isidore	New York Telephone Company

608 SCHENECTADY AVE

Year	Uses	Source
2013	NY PROVIDER SOLUTIONS LLC	Cole Information Services
	MALIK ABDUL	Cole Information Services
2005	Turis J o	Hill-Donnelly Corporation
2000	S GAMES	Cole Information Services
1980	WRIGHT O	New York Telephone
1976	WRIGHT O	New York Telephone
	KIRSCH ISIDORE	New York Telephone
1965	Wright O	New York Telephone
1960	WRIGHT ORVILLE	New York Telephone
	Wright Orville	New York Telephone Company

609 SCHENECTADY AVE

Year	Uses	Source
1949	Lee Jas ice cubes	New York Telephone

610 SCHENECTADY AVE

Year	Uses	Source
1997	BRAGGS Regina	NYNEX
1985	SCHLOSSBERG SAM	NYNEX Information Resources Company
1980	SCHLOSSBERG SAM	New York Telephone
1976	SCHLOSSBERG S	New York Telephone
1965	Schlossberg S	New York Telephone
1960	PAUL FRANK MRS	New York Telephone

Year	Uses	Source
1960	Paul Frank Mrs	New York Telephone Company

612 SCHENECTADY AVE

Year	Uses	Source
2005	h Akhtar Malik Dr	Hill-Donnelly Corporation
2000	DR MALIK AKHTAR	Cole Information Services
1997	AKHTAR Malik Dr	NYNEX
1992	HENLEY M	NYNEX Informantion Resource Co.
	MENTOR STEVE	NYNEX Informantion Resource Co.
	ROSS CURTIS	NYNEX Informantion Resource Co.
1985	LUCAS ANNIE F	NYNEX Information Resources Company
1960	Ausfresser Hyman	New York Telephone Company
	AUSFRESSER HYMAN	New York Telephone

614 SCHENECTADY AVE

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Corporation
1965	Ellen Gertrude Mrs	New York Telephone
1960	ELLEN MARTIN	New York Telephone
	Ellen Martin	New York Telephone Company

618 SCHENECTADY AVE

Year	Uses	Source
2013	JOHNSON MAURICE C	Cole Information Services
2008	MAURICE C JOHNSON MD PC	Cole Information Services
2005	Johnson Maurice	Hill-Donnelly Corporation
	Johnson Maurice C MD 1 P	Hill-Donnelly Corporation
	Johnson Maurice C	Hill-Donnelly Corporation
2000	MAUICE JOHNSON	Cole Information Services
	JOHNSON MAURICE	Cole Information Services

620 SCHENECTADY AVE

Year	Uses	Source
2005	HCrandall WJ	Hill-Donnelly Corporation
	Wiggins Arizon	Hill-Donnelly Corporation
1976	CRANDALL WILLIAM	New York Telephone

622 SCHENECTADY AVE

Year	Uses	Source
2013	MALHOTRA SUBHASH MD	Cole Information Services

FINDINGS

Year	Uses	Source
2008	SUBHASH C MALHOTRA MD	Cole Information Services
2005	Malhotra Subhash	Hill-Donnelly Corporation
	Malhotra Subhash	Hill-Donnelly Corporation
	h Malhotra Subhash	Hill-Donnelly Corporation
2000	SUBHASH MALHOTRA	Cole Information Services
1997	MALHOTRA Subhash	NYNEX
1992	MALHOTRA SUBHASH	NYNEX Informantion Resource Co.
1965	Laren Michl P	New York Telephone
1960	LAREN MICHL P	New York Telephone
	Laren Michl P	New York Telephone Company

624 SCHENECTADY AVE

Year	Uses	Source
2013	HOSPITAL CLINIC HOME CENTER INC	Cole Information Services
2008	FIRST STEP SECOND STEP	Cole Information Services
	HOSPITAL CLINIC HOME CENTER INC	Cole Information Services
2005	Hospital a Clinic Home Ctr	Hill-Donnelly Corporation
2000	HSPTL CLNC HM CTR	Cole Information Services
1997	Hospital Clinic Home Center Inc	NYNEX
1992	HOSPITAL CLINIC HOME CENTER INC	NYNEX Informantion Resource Co.
1985	HOSPITAL CLINIC HOME CENTER INC	NYNEX Information Resources Company
1976	KASSEL F	New York Telephone
1965	Kassel F	New York Telephone
1960	KASSEL F	New York Telephone
	Kassel F	New York Telephone Company

626 SCHENECTADY AVE

Year	Uses	Source
2005	H Neblett Minerva	Hill-Donnelly Corporation
1965	Bloom Ralph	New York Telephone
1960	BLOOM JEANETTE	New York Telephone
	Bloom Jeanette	New York Telephone Company

628 SCHENECTADY AVE

Year	Uses	Source
2008	YOUNG WORLD LEARNING ACADEMY	Cole Information Services
2005	Young World Learning Ctr	Hill-Donnelly Corporation
	HHoyte P	Hill-Donnelly Corporation
1992	HOSPITAL CLINIC HOME CENTER INC	NYNEX Informantion Resource Co.

FINDINGS

Year	Uses	Source
1985	MORRIS C	NYNEX Information Resources Company
1980	VALZ OLIVER M	New York Telephone
1976	HOYTE IDA	New York Telephone
1960	BABINO FRANK	New York Telephone
	Babino Frank	New York Telephone Company

630 SCHENECTADY AVE

Year	Uses	Source
2005	h Bruce Wilbert R	Hill-Donnelly Corporation
	HNedd M P	Hill-Donnelly Corporation
2000	COLIN PATTERSON	Cole Information Services
1997	BROWN Sonia	NYNEX
	FRANCIS Hyacinth	NYNEX
1992	DOWDY JENEFER	NYNEX Informantion Resource Co.
1976	BRELAND EVERETT	New York Telephone
	JOSEPH EDRISS	New York Telephone
1960	LEHR SIDNEY	New York Telephone
	Lehr Sidney	New York Telephone Company

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
585 Schenectady Avenue	2013, 2008, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
593 E 47TH	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
600 SCHENECTADY AVE	2013, 2008, 2000, 1997, 1985, 1973, 1970, 1949, 1945, 1940, 1934, 1928
602 SCHENECTADY AVE	2013, 2008, 1997, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
602 SCHENECTADY AVE	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
606 SCHENECTADY AVE	2013, 2008, 1980, 1973, 1970, 1949, 1945, 1940, 1934, 1928
608 SCHENECTADY AVE	2013, 2008, 1997, 1992, 1985, 1973, 1970, 1949, 1945, 1940, 1934, 1928
608 SCHENECTADY AVE	2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
609 SCHENECTADY AVE	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
610 SCHENECTADY AVE	2013, 2008, 2005, 2000, 1992, 1973, 1970, 1949, 1945, 1940, 1934, 1928
612 SCHENECTADY AVE	2013, 2008, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
614 SCHENECTADY AVE	2013, 2008, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1949, 1945, 1940, 1934, 1928
618 SCHENECTADY AVE	2013, 2008, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
618 SCHENECTADY AVE	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
620 SCHENECTADY AVE	2013, 2008, 2000, 1997, 1992, 1985, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
622 SCHENECTADY AVE	2013, 2008, 1985, 1980, 1976, 1973, 1970, 1949, 1945, 1940, 1934, 1928
622 SCHENECTADY AVE	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
624 SCHENECTADY AVE	2013, 2008, 1980, 1973, 1970, 1949, 1945, 1940, 1934, 1928
624 SCHENECTADY AVE	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
626 SCHENECTADY AVE	2013, 2008, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1949, 1945, 1940, 1934, 1928
628 SCHENECTADY AVE	2013, 2008, 2000, 1997, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
628 SCHENECTADY AVE	2013, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
630 SCHENECTADY AVE	2013, 2008, 1985, 1980, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928

NYC Buildings

NYC.gov always open

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Application Details

Premises: 569 SCHNECTADY AVENUE BROOKLYN
BIN: 3327565 **Block:** 4602 **Lot:** 5

Job No: 300441868
Document: 01 OF 1
Job Type: A2 - ALTERATION TYPE 2

Document Overview | Items Required | Virtual Job Folder | All Permits | Schedule B
Fees Paid | Forms Received | All Comments | Plumbing Inspections
Crane Information | Plan Examination
After Hours Variance Permits

This job is not subject to the Department's Development Challenge Process. For any issues, please contact the relevant borough office.

Last Action: PERMIT ISSUED - ENTIRE JOB/WORK 06/20/1995 (R)

Application approved on: 06/15/1995

Pre-Filed: 06/15/1995 **Building Type:** Other **Estimated Total Cost:** $150,000.00
Date Filed: 06/15/1995 **Electronically Filed:** No
Fee Structure: EXEMPT
Review is requested under Building Code: 1968

Job Description Comments

1 Location Information (Filed At)

House No(s): 585 **Street Name:** SCHENECTADY AVENUE
Borough: Brooklyn **Block:** 4602 **Lot:** 5 **BIN:** 3327565 **CB No:** 309
Work on Floor(s): GRD,CEL **Apt/Condo No(s):** **Zip Code:** 11203

2 Applicant of Record Information

Name: ROBERT F GERMAIN
Business Name: ROBERT F GERMAIN PE **Business Phone:** 914-668-7086
Business Address: 443 E 5TH ST MT VERNON NY 10553 **Business Fax:**
E-Mail: **Mobile Telephone:**
License Number: 047135

Applicant Type: ☒ P.E. ☐ R.A ☐ Sign Hanger ☐ Other

Directive 14 Applicant

Name: ROBERT GERMAIN
Business Name: ROBERT F GERMAIN PE **Business Phone:** 914-668-7086
Business Address: 443 E 5TH ST MT VERNON NY 10553 **Business Fax:**
E-Mail: **Mobile Telephone:**
Applicant Type: PE **License Number:** 047135

Previous Applicant of Record

Not Applicable

Not Applicable

3 Filing Representative

Name: EGEN WARNER
Business Name: ROBERT F GERMAN PE
Business Address: 443 E 5TH ST MT VERNON NY 10553
E-Mail:
Business Phone: 914-668-7086
Business Fax:
Mobile Telephone:
Registration Number:

4 Filing Status

Click Here to View

5 Job Types

☐ **Alteration Type 1**
- ☐ Change in Exits/Egress
- ☐ Change in Number of Stories
- ☐ Change in Number of Dwelling Units
- ☐ Change in Room Count / Dwelling Units
- ☐ Change in Occupancy / Use
- ☐ Change inconsistent with current Cert. of Occup.

☐ **Alteration Type 1, OT "No Work"**

☐ **New Building**

☒ **Alteration Type 2**

☐ **Alteration Type 3**

☐ **Sign**

☐ **Full Demolition**

☐ **Subdivision: Improved**

☐ **Subdivision: Condo**

Directive 14 acceptance requested? ☒ Yes ☐ No

6 Work Types

☐ **BL - Boiler** ☐ **FA - Fire Alarm** ☐ **FB - Fuel Burning** ☒ **FS - Fuel Storage**
☐ **FP - Fire Suppression** ☒ **MH - Mechanical** ☐ **PL - Plumbing** ☐ **SD - Standpipe**
☐ **SP - Sprinkler** ☐ **EQ - Construction Equipment** ☐ **CC - Curb Cut**
☐ **OT - Other**

7 Plans/Construction Documents Submitted

Plans Page Count: Not Provided

8 Additional Information

Enlargement proposed?

☒ No ☐ Yes ☐ Horizontal ☐ Vertical

9 Additional Considerations, Limitations or Restrictions

Yes	No		
☐	☐	**Structural peer review required per BC §1627**	**Peer Reviewer License No.(P.E.):**
☐	☒	**Filed to Comply with Local Law**	**Local Law No./Year:**
☐	☒	**Other, Specify:**	
☐	☐	**Restrictive Declaration / Easement**	
☐	☐	**Zoning Exhibit Record (I,II,III,etc)**	
☐	☒	**Landmark**	
☐	☐	**Filed to Address Violation(s)**	
☐	☐	**Legalization**	
☐	☐	**"Little E" Hazmat Site**	
☐	☐	**Unmapped Street**	
☐	☐	**Adult Establishment**	
☐	☐	**Compensated Development (Inclusionary Housing)**	
☐	☐	**Low Income Housing (Inclusionary Housing)**	
☐	☒	**Single Room Occupancy (SRO) Multiple Dwelling**	
☐	☐	**Filing includes Lot Merger / Reapportionment (If Yes,17)**	

Yes	No	
☐	☐	**Included in LMCCC**
☐	☒	**Infill Zoning**
☐	☒	**Loft Board**
☐	☒	**Quality Housing**

☐ ☐ **Includes permanent removal of standpipe, sprinkler or fire suppression related systems**

☐ ☐ **Work includes partial demolition as defined in AC §28-101.5**

☒ ☐ **Structural Stability affected by proposed work**

☐ ☐ **Work includes lighting fixture and/or controls, installation or replacement. [§ECC 404 and 505]**

☐ ☒ **Site Safety Job / Project**

BSA Calendar No.(s):

CPC Calendar No.(s):

10 NYCECC Compliance ***New York City Energy Conservation Code*** **(Applicant Statement)**

Not Provided

11 Job Description

INSTALL (1) NEW OUTSIDE EMERGENCY GENERA TOR WITH INTEGRAL 275 GALLON FU
L OIL TANK WITH 550 GALLON RUPTURE PAN C ONNECT TO EXISTING 2500 GALLON OIL TANK NO CHANGE IN MEANS EGRESS, USE GROUP OR OCCUPANCY

Related BIS Job Numbers:

Primary application Job Number:

12 Zoning Characteristics

District(s): R6 - GENERAL RESIDENCE DISTRICT

Overlay(s):

Special District(s):

Map No.: 17B **Street legal width (ft.):** **Street status:** ☒ Public ☐ Private

Zoning lot includes the following tax lots: Not Provided

13 Building Characteristics

		2008 Code Designations?
Occupancy Classification: Existing:		☐ Yes ☐ No
Proposed:		☐ Yes ☐ No
Construction Classification: Existing:		☐ Yes ☐ No
Proposed:		☐ Yes ☐ No
Multiple Dwelling Classification: Existing:		
Proposed:		
Building Height (ft.): Existing:		
Proposed:		
Building Stories: Existing:		
Proposed:		
Dwelling Units: Existing:		
Proposed:		

Mixed use building? ☐ Yes ☐ No

14 Fill

☐ **Not Applicable** ☐ **Off-Site** ☐ **On-Site** ☐ **Under 300 cubic yards**

15 Construction Equipment

Not Applicable

16 Curb Cut Description

Not Applicable

17 Tax Lot Characteristics

Not Provided

18 Fire Protection Equipment

Not Applicable

Not Applicable

19 Open Spaces

20 Site Characteristics

Not Provided

21 Demolition Details

Not Applicable

22 Asbestos Abatement Compliance

- ☐ **The scope of work requires related asbestos abatement as defined in the regulations of the NYC Department of Environmental Protection (DEP).**
- ☐ **The scope of work does not require related asbestos abatement as defined in the regulations of the NYC DEP.**
- ☐ **The scope of work is exempt from the asbestos requirement as defined in the regulations promulgated by the NYC DEP (15 RCNY 1-23(b)).**

23 Signs

Not Applicable

24 Comments

25 Applicant's Statements and Signatures **(See paper form or check Forms Received)**

Yes	No	
☐	☐	**For New Building and Alteration 1 applications filed under the 2008 NYC Building Code only: does this building qualify for high-rise designation?**
☐	☐	**Directive 14 applications only: I certify that the construction documents submitted and all construction documents related to this application do not require a new or amended Certificate of Occupancy as there is no change in use, exits, or occupancy.**

Owner's Information

Name: SALVATOR FERRAGAMO

Relationship to Owner:

Business Name: KINGSBROOK JEWIS MEDICAL CENTER **Business Phone:** 718-604-5688

Business Address: 585 SCHENECTADY AVE BROOKLYN NY 11203 **Business Fax:**

E-Mail: **Owner Type:** CORPORATION

Non Profit: ☐ Yes ☒ No

Yes	No	
☐	☐	**Owner's Certification Regarding Occupied Housing (Remain Occupied)**
☐	☒	**Owner's Certification Regarding Occupied Housing (Rent Control / Stabilization)**
☐	☒	**Owner DHCR Notification**
☐	☐	**Owner's Certification for Adult Establishment**
☐	☐	**Owner's Certification for Directive 14 (if applicable)**

Condo / Co-Op or Corporation Second Officer

Name: YALE ADELSON **Title:** BOAD MEMBE

Business Name: KINGSBROOK JEWIS MEDICAL CENTER **Business Phone:** 718-604-5266

Business Address: 585 SCHNECTADY AVE BROOKLYN NY 11203 **Business Fax:**

E-Mail:

NYC Buildings

NYC.gov always open

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Application Details

Premises: 569 SCHNECTADY AVENUE BROOKLYN
BIN: 3327565 **Block:** 4602 **Lot:** 5

Job No: 301215968
Document: 01 OF 1
Job Type: A2 - ALTERATION TYPE 2

Document Overview | Items Required | Virtual Job Folder | All Permits | Schedule B
Fees Paid | Forms Received | All Comments | Plumbing Inspections
Crane Information | Plan Examination
After Hours Variance Permits

This job is not subject to the Department's Development Challenge Process. For any issues, please contact the relevant borough office.

Last Action: PERMIT ISSUED - ENTIRE JOB/WORK 02/08/2002 (R)

Application approved on: 01/24/2002

Pre-Filed: 07/20/2001 **Building Type:** Other **Estimated Total Cost:** $20,000.00
Date Filed: 07/23/2001 **Electronically Filed:** No
Fee Structure: STANDARD
Review is requested under Building Code: Prior-to-1968

Job Description Comments

1 Location Information (Filed At)

House No(s): 585 **Street Name:** SCHNECTADY AVENUE
Borough: Brooklyn **Block:** 4602 **Lot:** 5 **BIN:** 3327565 **CB No:** 309
Work on Floor(s): 1 **Apt/Condo No(s):** **Zip Code:** 11203

2 Applicant of Record Information

Name: ROBERT F GERMAIN
Business Name: ROBERT F GERNMAIN, ME P E **Business Phone:** 914-668-7086
Business Address: 443 EAST FIFTH STREET MT. VERNON NY 10553 **Business Fax:**
E-Mail: **Mobile Telephone:**
License Number: 047135

Applicant Type: ☒ P.E. ☐ R.A ☐ Sign Hanger ☐ Other

Directive 14 Applicant

Name: ROBERT GERMAIN
Business Name: ROBERT F GERNMAIN, ME P E **Business Phone:** 914-668-7086
Business Address: 443 EAST FIFTH STREET MT. VERNON NY 10553 **Business Fax:**
E-Mail: **Mobile Telephone:**

Applicant Type: PE **License Number:** 047135

Previous Applicant of Record
Not Applicable

Filing Representative
None

4 Filing Status
Click Here to View

5 Job Types

- ☐ **Alteration Type 1**
  - ☐ Change in Exits/Egress
  - ☐ Change in Number of Stories
  - ☐ Change in Number of Dwelling Units
  - ☐ Change in Room Count / Dwelling Units
  - ☐ Change in Occupancy / Use
  - ☐ Change inconsistent with current Cert. of Occup.
- ☐ **Alteration Type 1, OT "No Work"**
- ☐ **New Building**
- ☒ **Alteration Type 2**
- ☐ **Alteration Type 3**
- ☐ **Sign**
- ☐ **Full Demolition**
- ☐ **Subdivision: Improved**
- ☐ **Subdivision: Condo**

Directive 14 acceptance requested? ☒ Yes ☐ No

6 Work Types

☐ **BL - Boiler**	☐ **FA - Fire Alarm**	☐ **FB - Fuel Burning**	☒ **FS - Fuel Storage**
☐ **FP - Fire Suppression**	☐ **MH - Mechanical**	☐ **PL - Plumbing**	☐ **SD - Standpipe**
☐ **SP - Sprinkler**	☐ **EQ - Construction Equipment**	☐ **CC - Curb Cut**	
☒ **OT -** GC			

7 Plans/Construction Documents Submitted
Plans Page Count: Not Provided

8 Additional Information
Enlargement proposed?
☒ No ☐ Yes ☐ Horizontal ☐ Vertical

9 Additional Considerations, Limitations or Restrictions

Yes	No		
☐	☐	**Structural peer review required per BC §1627**	**Peer Reviewer License No.(P.E.):**
☐	☒	**Filed to Comply with Local Law**	**Local Law No./Year:**
☐	☒	**Other, Specify:**	
☐	☐	**Restrictive Declaration / Easement**	
☐	☐	**Zoning Exhibit Record (I,II,III,etc)**	
☐	☒	**Landmark**	
☐	☐	**Filed to Address Violation(s)**	
☐	☐	**Legalization**	
☐	☐	**"Little E" Hazmat Site**	
☐	☐	**Unmapped Street**	
☐	☒	**Adult Establishment**	
☐	☐	**Compensated Development (Inclusionary Housing)**	
☐	☐	**Low Income Housing (Inclusionary Housing)**	
☐	☒	**Single Room Occupancy (SRO) Multiple Dwelling**	
☐	☐	**Filing includes Lot Merger / Reapportionment (If Yes,17)**	
☐	☐	**Includes permanent removal of standpipe, sprinkler or fire suppression related systems**	
☐	☐	**Work includes partial demolition as defined in AC §28-101.5**	
☐	☒	**Structural Stability affected by proposed work**	

Yes	No	
☐	☐	**Included in LMCCC**
☐	☒	**Infill Zoning**
☐	☒	**Loft Board**
☐	☒	**Quality Housing**

☐ ☐ **Work includes lighting fixture and/or controls, installation or replacement. [§ECC 404 and 505]**

☐ ☒ **Site Safety Job / Project**

BSA Calendar No.(s):

CPC Calendar No.(s):

10 NYCECC Compliance ***New York City Energy Conservation Code*** **(Applicant Statement)**

Not Provided

11 Job Description

REPLACCEMENT (1) NEW 1080 GALLON OIL TAN K WRAPPEDIN 6 SOLID CONCRETE BL CK 3HR FIRE RATED (OLD CODE) LEGALLY ABA DON BURIED OIL TANK. NO CHANGE IN MEANS OF EGRESS, USE GROUP OR OCCUPANCY

Related BIS Job Numbers:

Primary application Job Number:

12 Zoning Characteristics

District(s): NONE

Overlay(s):

Special District(s):

Map No.: **Street legal width (ft.):** **Street status:** ☒ Public ☐ Private

Zoning lot includes the following tax lots: Not Provided

13 Building Characteristics

		2008 Code Designations?
Occupancy Classification: Existing:		☐ Yes ☐ No
Proposed:		☐ Yes ☐ No
Construction Classification: Existing:		☐ Yes ☐ No
Proposed:		☐ Yes ☐ No
Multiple Dwelling Classification: Existing:		
Proposed:		
Building Height (ft.): Existing:		
Proposed:		
Building Stories: Existing:		
Proposed:		
Dwelling Units: Existing:		
Proposed:		

Mixed use building? ☐ **Yes** ☐ **No**

14 Fill

☐ **Not Applicable** ☐ **Off-Site** ☐ **On-Site** ☐ **Under 300 cubic yards**

15 Construction Equipment

Not Applicable

16 Curb Cut Description

Not Applicable

Tax Lot Characteristics

Not Provided

18 Fire Protection Equipment

Not Applicable

19 Open Spaces

20 Site Characteristics

Not Provided

21 Demolition Details

Not Applicable

22 Asbestos Abatement Compliance

- ☐ **The scope of work requires related asbestos abatement as defined in the regulations of the NYC Department of Environmental Protection (DEP).**
- ☐ **The scope of work does not require related asbestos abatement as defined in the regulations of the NYC DEP.**
- ☐ **The scope of work is exempt from the asbestos requirement as defined in the regulations promulgated by the NYC DEP (15 RCNY 1-23(b)).**

23 Signs

Not Applicable

24 Comments

25 Applicant's Statements and Signatures **(See paper form or check Forms Received)**

Yes	No	
☐	☐	**For New Building and Alteration 1 applications filed under the 2008 NYC Building Code only: does this building qualify for high-rise designation?**
☐	☐	**Directive 14 applications only: I certify that the construction documents submitted and all construction documents related to this application do not require a new or amended Certificate of Occupancy as there is no change in use, exits, or occupancy.**

26 Owner's Information

Name: SALVATORE FERRAGAMO

Relationship to Owner:

Business Name: KINGSBRIDGE JEWISH MED.CTR **Business Phone:** 718-604-5206

Business Address: 585 SCHENECTADY AVE BKLYN NY 11203 **Business Fax:**

E-Mail: **Owner Type:** INDIVIDUAL

Non Profit: ☒ Yes ☐ No

Yes	No	
☐	☐	**Owner's Certification Regarding Occupied Housing (Remain Occupied)**
☐	☒	**Owner's Certification Regarding Occupied Housing (Rent Control / Stabilization)**
☐	☒	**Owner DHCR Notification**
☐	☐	**Owner's Certification for Adult Establishment**
☐	☐	**Owner's Certification for Directive 14 (if applicable)**

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

NYC Buildings

NYC.gov always open

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Application Details

Premises: 569 SCHNECTADY AVENUE BROOKLYN
BIN: 3327565 **Block:** 4602 **Lot:** 5

Job No: 301215977
Document: 01 OF 1
Job Type: A2 - ALTERATION TYPE 2

Document Overview | Items Required | Virtual Job Folder | All Permits | Schedule B
Fees Paid | Forms Received | All Comments | Plumbing Inspections
Crane Information | Plan Examination
After Hours Variance Permits

This job is not subject to the Department's Development Challenge Process. For any issues, please contact the relevant borough office.

Last Action: PERMIT ISSUED - ENTIRE JOB/WORK 02/08/2002 (R)
Application approved on: 01/18/2002

Pre-Filed: 07/20/2001 **Building Type:** Other **Estimated Total Cost:** $22,000.00
Date Filed: 07/23/2001 **Electronically Filed:** No
Fee Structure: STANDARD
Review is requested under Building Code: Prior-to-1968

Job Description Comments

1 Location Information (Filed At)

House No(s): 585 **Street Name:** SCHNECTADY AVENUE
Borough: Brooklyn **Block:** 4602 **Lot:** 5 **BIN:** 3327565 **CB No:** 309
Work on Floor(s): CEL **Apt/Condo No(s):** **Zip Code:** 11203

2 Applicant of Record Information

Name: ROBERT F GERMAIN
Business Name: ROBERT F GERMIAN. M E, P E **Business Phone:** 914-668-7086
Business Address: 443 E. 5TH ST MT VERNON NY 10553 **Business Fax:**
E-Mail: **Mobile Telephone:**
License Number: 047135

Applicant Type: ☒ P.E. ☐ R.A ☐ Sign Hanger ☐ Other

Directive 14 Applicant

Name: ROBERT GERMAIN
Business Name: ROBERT F GERMIAN. M E, P E **Business Phone:** 914-668-7086
Business Address: 443 E. 5TH ST MT VERNON NY 10553 **Business Fax:**
E-Mail: **Mobile Telephone:**
Applicant Type: PE **License Number:** 047135

Previous Applicant of Record

Not Applicable

Not Applicable

3 Filing Representative

None

Filing Status

Click Here to View

5 Job Types

☐ **Alteration Type 1**
- ☐ Change in Exits/Egress
- ☐ Change in Number of Stories
- ☐ Change in Number of Dwelling Units
- ☐ Change in Room Count / Dwelling Units
- ☐ Change in Occupancy / Use
- ☐ Change inconsistent with current Cert. of Occup.

☐ **New Building**

☒ **Alteration Type 2**

☐ **Alteration Type 3**

☐ **Sign**

☐ **Full Demolition**

☐ **Subdivision: Improved**

☐ **Subdivision: Condo**

☐ **Alteration Type 1, OT "No Work"**

Directive 14 acceptance requested? ☒ Yes ☐ No

6 Work Types

☐ **BL - Boiler** ☐ **FA - Fire Alarm** ☐ **FB - Fuel Burning** ☒ **FS - Fuel Storage**
☐ **FP - Fire Suppression** ☐ **MH - Mechanical** ☐ **PL - Plumbing** ☐ **SD - Standpipe**
☐ **SP - Sprinkler** ☐ **EQ - Construction Equipment** ☐ **CC - Curb Cut**
☒ **OT -** GC

7 Plans/Construction Documents Submitted

Plans Page Count: Not Provided

8 Additional Information

Enlargement proposed?

☒ No ☐ Yes ☐ Horizontal ☐ Vertical

9 Additional Considerations, Limitations or Restrictions

Yes	No		
☐	☐	**Structural peer review required per BC §1627**	**Peer Reviewer License No.(P.E.):**
☐	☒	**Filed to Comply with Local Law**	**Local Law No./Year:**
☐	☒	**Other, Specify:**	
☐	☐	**Restrictive Declaration / Easement**	
☐	☐	**Zoning Exhibit Record (I,II,III,etc)**	
☐	☒	**Landmark**	
☐	☐	**Filed to Address Violation(s)**	
☐	☐	**Legalization**	
☐	☐	**"Little E" Hazmat Site**	
☐	☐	**Unmapped Street**	
☐	☒	**Adult Establishment**	
☐	☐	**Compensated Development (Inclusionary Housing)**	
☐	☐	**Low Income Housing (Inclusionary Housing)**	
☐	☒	**Single Room Occupancy (SRO) Multiple Dwelling**	
☐	☐	**Filing includes Lot Merger / Reapportionment (If Yes,17)**	
☐	☐	**Includes permanent removal of standpipe, sprinkler or fire suppression related systems**	
☐	☐	**Work includes partial demolition as defined in AC §28-101.5**	
☐	☒	**Structural Stability affected by proposed work**	
☐	☐	**Work includes lighting fixture and/or controls, installation or replacement. [§ECC 404 and 505]**	
☐	☒	**Site Safety Job / Project**	

Yes	No	
☐	☐	**Included in LMCCC**
☐	☒	**Infill Zoning**
☐	☒	**Loft Board**
☐	☒	**Quality Housing**

BSA Calendar No.(s):

CPC Calendar No.(s):

) NYCECC Compliance ***New York City Energy Conservation Code*** **(Applicant Statement)**

Not Provided

11 Job Description

REPLACEMENT (1) NEW 1500 GALLON OIL TANK WRAPPED IN 6 SOLID CONCRETE BLO
K 3HR FIRE RATED (OLD CODE). LEGALY ABAN DONED BURIED OIL TANK. NO CHANGE IN MEA S OF EGRESS, USE GROUP OR OCCUPANCY

Related BIS Job Numbers:

Primary application Job Number:

12 Zoning Characteristics

District(s): NONE

Overlay(s):

Special District(s):

Map No.: **Street legal width (ft.):** **Street status:** ☒ Public ☐ Private

Zoning lot includes the following tax lots: Not Provided

13 Building Characteristics

		2008 Code Designations?
Occupancy Classification:	**Existing:**	☐ Yes ☐ No
	Proposed:	☐ Yes ☐ No
Construction Classification:	**Existing:**	☐ Yes ☐ No
	Proposed:	☐ Yes ☐ No
Multiple Dwelling Classification:	**Existing:**	
	Proposed:	
Building Height (ft.):	**Existing:**	
	Proposed:	
Building Stories:	**Existing:**	
	Proposed:	
Dwelling Units:	**Existing:**	
	Proposed:	

Mixed use building? ☐ Yes ☐ No

14 Fill

☐ Not Applicable ☐ Off-Site ☐ On-Site ☐ Under 300 cubic yards

15 Construction Equipment

Not Applicable

16 Curb Cut Description

Not Applicable

17 Tax Lot Characteristics

Not Provided

Fire Protection Equipment

Not Applicable

19 Open Spaces

20 Site Characteristics

Not Provided

21 Demolition Details

Not Applicable

2 Asbestos Abatement Compliance

- ☐ **The scope of work requires related asbestos abatement as defined in the regulations of the NYC Department of Environmental Protection (DEP).**
- ☐ **The scope of work does not require related asbestos abatement as defined in the regulations of the NYC DEP.**
- ☐ **The scope of work is exempt from the asbestos requirement as defined in the regulations promulgated by the NYC DEP (15 RCNY 1-23(b)).**

23 Signs

Not Applicable

24 Comments

25 Applicant's Statements and Signatures (See paper form or check Forms Received)

Yes	No	
☐	☐	**For New Building and Alteration 1 applications filed under the 2008 NYC Building Code only: does this building qualify for high-rise designation?**
☐	☐	**Directive 14 applications only: I certify that the construction documents submitted and all construction documents related to this application do not require a new or amended Certificate of Occupancy as there is no change in use, exits, or occupancy.**

26 Owner's Information

Name: SALVATORE FERRAGAMO

Relationship to Owner:

Business Name: KINGSBRIDGE JEWISH MED. CTR **Business Phone:** 718-604-5206

Business Address: 585 SCHNECTADY AVE BKLYN NY 11203 **Business Fax:**

E-Mail: **Owner Type:** INDIVIDUAL

Non Profit: ☐ Yes ☒ No

Yes	No	
☐	☐	**Owner's Certification Regarding Occupied Housing (Remain Occupied)**
☐	☒	**Owner's Certification Regarding Occupied Housing (Rent Control / Stabilization)**
☐	☒	**Owner DHCR Notification**
☐	☐	**Owner's Certification for Adult Establishment**
☐	☐	**Owner's Certification for Directive 14 (if applicable)**

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

B Form 54C (Rev. 11/71) (10M-7027J9(71)) THE CITY OF NEW YORK

HOUSING AND DEVELOPMENT ADMINISTRATION

DEPARTMENT OF BUILDINGS

CERTIFICATE OF OCCUPANCY

BOROUGH BROOKLYN DATE: JUL 7 1976 NO. 214378 TEMPORARY

This certificate supersedes C.O. No. ZONING DISTRICT R-6

THIS CERTIFIES that the new ~~demolished~~ building ~~premises~~ located at

585 Schenectady Avenue Block 4682 Lot 1

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
1st		400				E-2 D-2	Lobby, offices, treatment examination rooms
2nd	40,60 100	120				E-2 D-2	Treatment rooms, examine room, Rehabilitation rooms and Therapy rooms
3rd, 4th & 5th	40,60 100	120				E-2	Patient Bed rooms, Nurses Stations, Auxiliary Facilities, offices

Total: Philanthropic Hospital (Non-Profit Institution)

TEMPORARY Certificate of Occupancy for 1st thru 5th floors only
Term: Ninety (90) days
Expiration Date: October 7, 1976

Fire Department Approval dated: April 13, 1976 (Interior Fire Alarm)
Fire Department Approval dated: July 2, 1976
Sprinkler and Smoke Detection System consisting of:
1. Sprinkler Water Flow Alarm
2. Smoke Detection System for floors one (1) thru five (5) only

Certificate Approval Account # C/A16793 issued June 28, 1976
(fuel oil installation)

OPEN SPACE USES _____
(SPECIFY—PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER ~~WITH~~ OTHER CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

Philip E. Olsen JEREMIAH T. WALSH

BOROUGH SUPERINTENDENT COMMISSIONER

OFFICE COPY—DEPARTMENT OF BUILDINGS

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING at a point on the south side of Rutland Road distant 0 feet E from the corner formed by the intersection of Rutland Road and Schenectady Avenue

running thence south 56.5' feet; thence east 125 feet;
thence north 56.5' feet; thence west 125 feet;
thence ..... feet; thence ..... feet;
thence ..... feet; thence ..... feet;
to the point or place of beginning.

N.B. or M.T. No. 43-28 DATE OF COMPLETION 7-02-76 CONSTRUCTION CLASSIFICATION 1-A
OCCUPANCY CLASSIFICATION J-2 HEIGHT 10 STORIES 118'6" FEET.

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	X		AUTOMATIC SPRINKLER SYSTEM	X	
YARD HYDRANT SYSTEM					
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM					
SMOKE DETECTOR					
FIRE ALARM AND SIGNAL SYSTEM					

STORM DRAINAGE DISCHARGES INTO:
A) STORM SEWER ☐ B) COMBINED SEWER ☒ C) PRIVATE SEWAGE DISPOSAL SYSTEM ☐

SANITARY DRAINAGE DISCHARGES INTO:
A) SANITARY SEWER ☐ B) COMBINED SEWER ☒ C) PRIVATE SEWAGE DISPOSAL SYSTEM ☐

LIMITATIONS OR RESTRICTIONS:
BOARD OF STANDARDS AND APPEALS CAL. NO. _____
CITY PLANNING COMMISSION CAL. NO. _____
OTHERS:

Dated: July 27, 1970

Form 54 (Rev. 6-71)

THE CITY OF NEW YORK

DEPARTMENT OF BUILDINGS

CERTIFICATE OF OCCUPANCY

241047

BOROUGH BROOKLYN **DATE** FEB 19 1993 **NO.**

This certificate supersedes C.O. NO ZONING DISTRICT R-6

THIS CERTIFIES that the ~~new~~—altered—~~existing~~—building—premises located at

585 Schenectady Avenue D.M.R.I. Block 4602 Lot 5

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS PER SQ FT	MAXIMUM NO OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
1st		400				H-2 D-2	Lobby, Offices, Treatment Examination Rooms
2nd	60, 100	120				H-2 D-2	Treatment Rooms, Exercise Room, Rehabilitation Rooms, Therapy Rooms, and Connecting Bridge
3rd	60	60					Patient Bedrooms, Nurses Stations
4th & 5th	100	120				H-2	Auxiliary Facilities, Offices
~~4th-10th~~	100	120				H-2	Patient Bedrooms, Auxiliary Facilities, Offices, Nurses Station

Total: Philanthropic Hospital -
(Non-Profit Institution)

Fire Department Approval dated: April 13, 1976 (Interior Fire Alarm)
Fire DEpartment Approval dated: July 2, 1976
Sprinkler and Smoke Detection System consisting of:
1. Sprinkler Water Flow Alarm
2. Smoke Detection System for floors one (1) thru five (5) only

OPEN SPACE USES _____
(SPECIFY PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

BOROUGH SUPERINTENDENT COMMISSIONER

☐ ORIGINAL ☐ OFFICE COPY - DEPARTMENT OF BUILDINGS ☐ COPY

B Form 61 (Back) (Rev. 8-70)

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS

BEGINNING at a point on the distant 0 South feet from the corner formed by the intersection of side of Rutland Road and Schenectady Avenue

running thence South 564.5' feet; thence East 125' feet;

thence North 564.5' feet; thence West 125' feet;

thence ____ feet; thence ____ feet;

thence ____ feet; thence ____ feet;

to the point or place of beginning.

300128788

BLDG. ALT. No. 300128788 DATE OF COMPLETION 2/ 8 /93 CONSTRUCTION CLASSIFICATION 1-A

BUILDING OCCUPANCY GROUP CLASSIFICATION H-2 HEIGHT 10 STORIES 118'-6" FEET

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	X		AUTOMATIC SPRINKLER SYSTEM	X	
YARD HYDRANT SYSTEM					
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM					
SMOKE DETECTOR Existing	X				
FIRE ALARM AND SIGNAL SYSTEM Existing	X				

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER ☐ B) COMBINED SEWER ☒ C) PRIVATE SEWAGE DISPOSAL SYSTEM ☐

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER ☐ B) COMBINED SEWER ☒ C) PRIVATE SEWAGE DISPOSAL SYSTEM ☐

LIMITATIONS OR RESTRICTIONS

BOARD OF STANDARDS AND APPEALS CAL. NO.

CITY PLANNING COMMISSION CAL. NO. 79-32 21298

OTHERS Dated: July 27, 1970

E

B Form 54 (Rev. 4/76)

TEMPORARY

THE CITY OF NEW YORK

DEPARTMENT OF BUILDINGS

CERTIFICATE OF OCCUPANCY

237671

BOROUGH BROOKLYN **DATE:** NOV 27 1991 **NO.**

This certificate supersedes C.O. NO (T-237069) NOV 27 1991 ZONING DISTRICT (R-6)

THIS CERTIFIES that the new—altered—existing—building—premises located at

585 Schenectady Avenue Block 4602 Lot 1

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS PER SQ FT	MAXIMUM NO OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
Cellar	On Ground	56				B-1,D-2	Compactor Room, Mech. Equipment Room Elec. Switch, Gear Room, Plumbing Rooms, Mens and Womens Toilets.
First	120	90		3		B-2 D-2	Patient Recovery Rooms (20) Nurses Station, Doctors Offices, Nurses Lounge, Toilets, Lobby, Gift Shop, Vestibule, Storage Room, Utility Rooms.
econd - Fourth	120	78		3		B-2	Patients Rooms, (23) Conference Room Waiting Area, Nurses Lounge, Patients Day Room, Nurses Station, Toilets.
ourth - Roof						D-2	Mechanical Equipment, Stair Bulkhead

New Code

TEMPORARY FOR NINETY (90) DAYS TO EXPIRE ON FEBRUARY 24, 1992

NOTE: 1) FINAL FIRE ALARM SIGN OFF PENDING.

NOTE: PERSONNEL WITH CERTIFICATE OF FITNESS FOR FIRE WATCH FROM THE FIRE DEPARTMENT, TO BE ON DUTY 24 HOURS A DAY, ONE ON EACH FLOOR INCLUDING CELLAR.

OPEN SPACE USES

(SPECIFY—PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

B-5

☐ ORIGINAL ☐ OFFICE COPY - DEPARTMENT OF BUILDINGS ☐ COPY

237671

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS

BEGINNING at a point on the North side of Winthrop Street
distant 127'0" feet from the corner formed by the intersection of
Schenectady Avenue and Winthrop Street
running thence North 84'8" feet; thence East 199'6" feet;
thence South 84'8" feet; thence West 199'6" feet;
thence ..... feet; thence ..... feet;
thence ..... feet; thence ..... feet;
to the point or place of beginning.

New Building 350/88
DATE OF COMPLETION
CONSTRUCTION CLASSIFICATION F.P. (1a)
BUILDING OCCUPANCY GROUP CLASSIFICATION B-2 HEIGHT Five STORIES 62'11" FEET

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM			AUTOMATIC SPRINKLER SYSTEM		
YARD HYDRANT SYSTEM					
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM					
SMOKE DETECTOR					
FIRE ALARM AND SIGNAL SYSTEM					

STORM DRAINAGE DISCHARGES INTO:
A) STORM SEWER ☐ B) COMBINED SEWER ☐ C) PRIVATE SEWAGE DISPOSAL SYSTEM ☐

SANITARY DRAINAGE DISCHARGES INTO:
A) SANITARY SEWER ☐ B) COMBINED SEWER ☐ C) PRIVATE SEWAGE DISPOSAL SYSTEM ☐

LIMITATIONS OR RESTRICTIONS:
BOARD OF STANDARDS AND APPEALS CAL. NO. .....
CITY PLANNING COMMISSION CAL. NO. .....
OTHERS:

E

PHASE I ENVIRONMENTAL SITE ASSESSMENT

for

VITAL BROOKLYN – SITES E, F, G, and H
Brooklyn, New York

Prepared for:

Monadnock Development, LLC
155 3rd Street
Brooklyn, NY 11231

Prepared by:

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

DRAFT

Mimi S. Raygorodetsky
Principal

May 25, 2021
Langan Project No. 170655401

TABLE OF CONTENTS

EXECUTIVE SUMMARY III
1.0 INTRODUCTION 1
1.1 Purpose 1
1.2 Scope of the ESA 2
1.3 Assumptions, Limitations, and Exceptions 3
2.0 SUBJECT PROPERTY DESCRIPTION 4
2.1 Location and Description 4
2.2 Description of Site Improvements 5
2.3 Title Records 5
3.0 USER PROVIDED INFORMATION 6
3.1 User Questionnaire 6
3.2 Owner/Operator Questionnaire 6
3.3 Previous Environmental Reports 6
4.0 ENVIRONMENTAL RECORDS 8
4.1 Federal Agency Database Findings 10
4.2 State Agency Database Findings 11
4.3 Other Database Findings 13
4.4 Local Regulatory Agency Findings 14
4.5 Physical Setting Sources 16
4.5.1 Topography 16
4.5.2 Geology 16
4.5.3 Hydrogeology 16
4.6 Historical Use Information 17
4.6.1 Aerial Photographs 17
4.6.2 Sanborn Fire Insurance Maps 17
4.6.2 Historical USGS Topographic Quadrangles 18
4.6.3 City Directories 18
4.6.4 Title Records, Environmental Liens, and Use Limitations 19
5.0 SITE RECONNAISSANCE 20
5.1 Methodology and Limiting Conditions 20
5.2 Date and Time of Inspection 20
5.3 General Site Setting and Reconnaissance Observations 20
6.0 INTERVIEWS 25
6.1 Subject Property Owner/Occupant 25
6.2 Tenants/Operators of Adjacent Properties 25
7.0 ADDITIONAL SERVICES 26
7.1 Radon 26
7.2 ACM, LBP, and PCBs 26
8.0 DEVIATIONS AND DATA GAPS 27
8.1 Deviations 27
8.2 Data Gaps 27
9.0 FINDINGS, OPINIONS, AND CONCLUSIONS 28
10.0 REFERENCES 30
11.0 STATEMENT OF QUALIFICATIONS AND SIGNATURES 31

FIGURES

Figure 1 Subject Property Location Map
Figure 2 Subject Property Plan
Figure 3 Recognized Environmental Conditions Map

APPENDICES

Appendix A Site Reconnaissance Photographs
Appendix B User and Owner Questionnaire
Appendix C Previous Environmental Reports
Appendix D Environmental Data Resources Inc.™ Radius Map Report
Appendix E Freedom of Information Act Requests
Appendix F New York City Department of Building Records
Appendix G New York City Department of City Planning Records and Zoning Map
Appendix H Aerial Photographs
Appendix I Sanborn Fire Insurance Maps
Appendix J Historical USGS Topographic Quadrangle Maps
Appendix K City Directory Abstract
Appendix L Environmental Lien Search
Appendix M Resumes

EXECUTIVE SUMMARY

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) prepared this Phase I Environmental Site Assessment (ESA) on behalf of Monadnock Development, LLC (the User) for the property comprising the northern portion of the Kingsbrook Jewish Medical Center campus in the East Flatbush neighborhood of Brooklyn, New York (the Subject Property). The Subject Property is identified on the Brooklyn Borough Tax Map as the northern portions of Lots 1 and 5 on Block 4602. The Subject Property is about 101,951 square feet in area (2.34 acres) and is identified as Vital Brooklyn[1] Sites E, F, G, and H, as detailed below:

- Site E - 561 Schenectady Avenue – a four-story building (the Leviton Building) primarily used for office space and vaccine administration
- Site F - 830 Rutland Road – a mostly-vacant six-story building (the Masin Building), with the exception of ground floor offices and second and third floor laboratories, and a courtyard and a vacant security booth
- Sites G and H - 73 East 49th Street – adjoining six- and four-story buildings (the Blumberg and LeFrak Buildings, respectively) used for doctor's offices, medical equipment storage, administrative offices, and dialysis treatment

The Subject Property is bound by Rutland Road to the north, East 49th Street to the east, the southern part of the Kingsbrook Jewish Medical Center campus to the south, and Schenectady Avenue to the west.

This Phase I ESA was conducted in accordance with ASTM International (ASTM) Standard E1527-13 (Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process) and the United States Environmental Protection Agency (USEPA) All Appropriate Inquiry (AAI) Rule for the purpose of identifying Recognized Environmental Conditions (REC), historical RECs (HREC), controlled RECs (CREC), and business environmental risks (BER). The Phase I ESA identified two RECs, one BER, and one non-ASTM consideration.

[1] The Vital Brooklyn Initiative is an ongoing community development program for underserved neighborhoods in Central Brooklyn. Vital Brooklyn offers a holistic approach that focused on eight integrated areas of improvement: open space and recreation; healthy food; education; economic empowerment; community-based violence prevention; community-based health care; affordable housing; and resiliency.

Recognized Environmental Conditions

The Phase I ESA identified the following RECs:

REC 1 – Historical Hazardous Waste Generation at the Subject Property

The Subject Property was listed as a Resource Conservation and Recovery Act (RCRA) Small Quantity Generator and a Non Generator/Longer Regulated (NonGen/NLR) between 1991 and 2007 for the generation of hazardous wastes. Violations related to RCRA generator status were identified. Based on the length of hazardous waste handling operations, record of violations, and types of waste handled historical releases of hazardous materials may have adversely impact soil, groundwater and/or soil vapor at the Subject Property.

REC 2 – Open Petroleum Spill Cases at Surrounding Properties

An active gasoline filling station (530 Utica Avenue – 250 feet east) and a former gasoline filling station and automotive repair facility (529 Utica Avenue – 350 feet east) are the subject of two open petroleum spill cases. Both properties are located up/cross-gradient of the Subject Property. Both spills were reported when subsurface impacts were identified during tank removals. Remedial actions were completed at both sites; however, on-going groundwater monitoring indicates concentrations of petroleum compounds in groundwater at concentrations above current regulatory standards as of 2017 and 2020. Both spill cases remain open. Residual petroleum contamination from the gasoline filling stations may adversely impact groundwater and/or soil vapor at the Subject Property.

REC 3 – Current and Historical Uses of Adjoining and Surrounding Properties

Current and historical uses of adjoining and surrounding properties include gasoline filling stations, auto repair facilities, and car washes (circa 1969-present) and a coal power generation facility (date unknown – circa 1980).

Releases of petroleum products, solvents, and other hazardous substances associated with the current and historical activity at adjoining and surrounding properties may have affected groundwater and/or soil vapor beneath the Subject Property.

Business Environmental Risk

A BER is defined by ASTM E1527-13 as a risk that can have a material environmental or environmentally driven impact on the business associated with the current or planned use of a parcel of commercial real estate not necessarily limited to those environmental issues required to be investigated in this practice. The following BER was identified for the Subject Property:

Fill was observed in stockpiles located near to where a buried steam pipe was previously repaired. Fill found in urban environments typically contains ash, demolition debris, and/or

municipal waste products and may contain contaminants (e.g., semivolatile organic compounds [SVOCs] or metals) at concentrations above current regulatory standards and at often at hazardous concentrations. Fill at the Subject Property may require implementation of soil handling and management procedures during future site redevelopment to address excavation, re-use, handling, and off-site disposal, which may result in material cost to the User.

Non-ASTM Consideration

A Non-ASTM Scope Consideration is identified by ASTM E1527-13 as an environmental issue or condition at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of ASTM E1527-13. The following non-ASTM consideration was identified for the Subject Property:

The buildings on the Subject Property were constructed in and 1927 (LeFrak), 1933 (Blumberg and Leviton) and 1957 (Masin), potentially with asbestos-containing material ACM, lead-based paint (LBP), and polychlorinated biphenyl (PCB)-containing materials. An intrusive survey to identify ACM, LBP, and PCB-containing material was not conducted as part of this Phase I ESA.

1.0 INTRODUCTION

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) prepared this Phase I Environmental Site Assessment (ESA) on behalf of Monadnock Development, LLC (the User) for the property comprising the northern portion of the Kingsbrook Jewish Medical Center campus in the East Flatbush neighborhood of Brooklyn, New York (the Subject Property). The Subject Property is identified on the Brooklyn Borough Tax Map as the northern portions of Lots 1 and 5 on Block 4602. The Subject Property is about 101,951 square feet in area (2.34 acres), and is identified as Vital Brooklyn[1] Sites E, F, G, and H, as detailed below:

- Site E - 561 Schenectady Avenue – a four-story building (the Leviton building), primarily used for office space and vaccine administration
- Site F - 830 Rutland Road – a mostly vacant six-story building (the Masin building), with the exception of ground floor offices and second and third floor laboratories, and a courtyard and vacant security booth
- Sites G and H - 73 East 49th Street – two adjoining six- and four-story buildings (the Blumberg and Lefrak buildings, respectively), doctor's offices followed by medical equipment storage, administrative offices, and dialysis treatment

The Subject Property is bound by Rutland Road to the north, East 49th Street to the east, the southern part of the Kingsbrook Jewish Medical Center campus to the south, and Schenectady Avenue to the west.

This Phase I ESA was performed in accordance with ASTM International (ASTM) Standard E1527-13 (Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process) and the United States Environmental Protection Agency (USEPA) All Appropriate Inquiries (AAI) Rule, 40 Code of Federal Regulations (CFR) Part 312.

1.1 Purpose

The purpose of this Phase I ESA is to accomplish the following:

(1) Identify Recognized Environmental Conditions (REC) in connection with the Subject Property, as defined in ASTM E1527-13, which states: The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (a) due to any release to the environment; (b) under conditions indicative of a release to the environment; or (c) under conditions that pose a material threat of a future release to the environment. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

(2) Provide services consistent with the USEPA 40 CFR Part 312 Subpart C Standards and Practices §312.20 AAI Rule.

1.2 Scope of the ESA

This Phase I ESA was conducted utilizing a standard of good commercial and customary practice that is consistent with ASTM E1527-13. Any significant scope-of-work additions, deletions, or deviations to ASTM E1527-13 are noted in Section 8.0 of this report. In general, the scope of this assessment consisted of obtaining information from the User; reviewing reasonably ascertainable information and environmental data relating to the Subject Property; reviewing maps and records maintained by federal, state, and local regulatory agencies; interviewing persons knowledgeable about the Subject Property; and conducting a site inspection. The specific scope of this assessment included the following:

1. A reconnaissance to characterize conditions and assess the Subject Property's location with respect to adjoining and surrounding property uses and natural surface features. The reconnaissance included the surrounding roads and observations of surrounding properties from public rights-of-way to identify obvious potential environmental conditions on neighboring properties. The site reconnaissance was conducted in a systematic manner focusing on the spatial extent of the Subject Property and then progressing to adjacent and surrounding properties. Photographs taken as part of the site reconnaissance are provided in Appendix A.
2. A review of the responses to the User/Owner questionnaire, which is included as Appendix B.
3. A review of previous environmental reports associated with the Site. Copies of previous environmental reports are included in Appendix C.
4. A review of environmental databases maintained by the USEPA, state, and local agencies within the approximate minimum search distance. Environmental Data Resources, Inc. (EDR) provided the environmental database report, which is included in Appendix D.
5. Filing of Freedom of Information Act (FOIA) requests with federal, state, and local agencies. Copies of the FOIA requests and responses received to-date are included in Appendix E.
6. A review of NYC Department of Buildings (DOB) and NYC Department of City Planning (DCP) records, and a Zoning Map. Available DOB and DCP records and the Zoning Map are included in Appendices F and G, respectively.
7. A review of physical characteristics of the Subject Property through a review of referenced sources for topographic, geologic, soils, and hydrologic data.

8. A review and interpretation of aerial photographs, Sanborn® Fire Insurance Maps (Sanborn Maps), historical topographic maps, and city directories to identify previous activities on and near the Subject Property. Copies are included in Appendices H, I, J, and K respectively.
9. A review of an Environmental Lien search for the Subject Property. A copy of the environmental lien search report is included in Appendix L.
10. A review of published radon occurrence maps to evaluate whether the Subject Property is located in an area with a propensity for elevated radon levels.

1.3 Assumptions, Limitations, and Exceptions

This Phase I ESA report was prepared for the User for the Subject Property at 561 Schenectady Avenue, 830 Rutland Road, and 73 East 49th Street (Tax Block 4602, northern portions of Lots 1 and 5) in Brooklyn, New York. The report is intended to be used in its entirety. Excerpts taken from this report are not necessarily representative of the assessment findings. Langan cannot assume responsibility for use of this report for any property other than the Subject Property addressed herein, or by any other third party without a written authorization from Langan.

Langan's scope of services, which is described in Section 1.2, was limited to that agreed to with the User and no other services beyond those explicitly stated are implied. The services performed and agreed upon for this effort comports to those prescribed in ASTM E1527-13. Intrusive sampling (i.e., soil borings and groundwater sampling) was not performed as part of this Phase I ESA.

This Phase I ESA is not intended to be a definitive investigation of possible environmental impacts at the Subject Property. The purpose of this investigation was limited to determining if there is reason to suspect the possibility of RECs at the Subject Property. It should be understood that even the most comprehensive Phase I ESA might fail to detect environmental liabilities at a particular Subject Property. Therefore, Langan cannot "insure" or "certify" that the Subject Property is free of environmental impacts. No expressed or implied representation or warranty is included or intended in this report, except that our services were performed, within the limits prescribed by the User, with the customary standard of care exercised by professionals performing similar services under similar circumstances within the same jurisdiction.

The conclusions, opinions, and recommendations provided in this report are based solely on the specific activities as required for the performance of ASTM E1527-13 and are intended exclusively for the purpose stated herein, at the specified Subject Property, as it existed at the time of our site visit.

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 Location and Description

The Subject Property is identified on the Brooklyn Borough Tax Map on Block 4602 and consists of the northern portions of Lots 1 and 5. The Subject Property is about 101,951 square feet in area (2.34 acres), and is identified as Sites E, F, G, and H, as detailed below:

- Site E - 561 Schenectady Avenue – a four-story building (the Leviton building), primarily used for office space and vaccine administration
- Site F - 830 Rutland Road – a mostly vacant six-story building (the Masin building), with the exception of ground floor offices and second and third floor laboratories, and a courtyard and a vacant security booth
- Sites G and H - 73 East 49th Street – two adjoining six- and four-story buildings (the Blumberg and Lefrak buildings, respectively), used for doctor's offices followed by medical equipment storage, administrative offices, and dialysis treatment

The Subject Property is bound by Rutland Road to the north, East 49th Street to the east, the southern part of the Kingsbrook Jewish Medical Center campus to the south, and Schenectady Avenue to the west. A Subject Property Location Map is included as Figure 1, and the layout of the Subject Property is shown on Figure 2.

Based on visual observations of the surrounding area during the site reconnaissance, the Subject Property is located within an urban area characterized by residential, institutional, and commercial development. Site reconnaissance photographs are included in Appendix A.

Surrounding property use is summarized in the following table:

Direction	Block	Lot	Adjoining Properties	Surrounding Properties
North	Rutland Road			Multi-family residential buildings
	4590	51	A six-story residential building and parking lot (811 Rutland Road)	
East	East 49th Street			Speedway gas station followed by commercial properties
	4603	1	Parking lot for Kingsbrook Jewish Medical Center (832 Rutland Road)	
South	4602	1 & 5	Southern portion of the Kingsbrook Jewish Medical Center campus (86 East 49th Street and 585 Schenectady Avenue)	Multi-family residential buildings followed by Winthrop Street
West	Schenectady Avenue			Multi-family residential and commercial buildings
	4602	5	Multi-story residential and commercial buildings (544 to 612 Schenectady Avenue)	

2.2 Description of Site Improvements

Improvements at the Subject Property are summarized in the following table:

Subject Property Improvements	
Size of the Subject Property	About 101,951 square feet (2.34 acres)
Buildings/Spaces/Structures	Lot 1 – two-story building with cellar (Leviton),
	Lot 5 – six-story building with cellar (Masin) and two adjoining six- and four-story buildings (Blumberg and LeFrak) with cellar and partial cellar, respectively. The Masin and Blumberg buildings connect on the second floor.
Surface Water	None
Potable Water Source	NYC - Municipal
Sanitary and Storm Sewer Utilities	NYC - Municipal
Electrical Utilities	Consolidated Edison, Inc.
Construction Completion Date	Lot 1 – 1927 (LeFrak). 1933 (Blumberg), 1957 (Masin)
	Lot 5 – 1933 (Leviton)
General Construction Type	Concrete block and steel frame with brick façade
Cooling and Ventilation System Type	Window units and air handlers
Heating System Type	Boilers provide steam to all four Subject Property buildings. The boilers are located in a utility building on the southern portion of the Kingsbrook Jewish Medical Center campus.
Emergency Power	Emergency power for Leviton and portions of Masin and Blumberg is provided by two diesel generators located in buildings on the southern portion of the Kingsbrook Jewish Medical Center campus (DMRI/Rutland Nursing Home and Katz-Menken building). No emergency power is provided to LeFrak.

2.3 Title Records

Langan researched ownership records for the Subject Property on the NYC Department of Finance (DOF) Automated City Register Information System (ACRIS) website (https://a836-acris.nyc.gov/DS/DocumentSearch/Index). The ACRIS records did not list any deeds for the Subject Property; however, title records indicated the title for Tax Block 4602, Lot 1 was vested in Kingsbrook Jewish Medical Center and the title for Tax Block 4602, Lot 5 was vested in Rutland Nursing Home, Inc. RECs were not identified for the Subject Property during the title records search.

3.0 USER PROVIDED INFORMATION

3.1 User Questionnaire

Per ASTM E1527-13, a questionnaire was provided to the User to inquire about specialized information related to the Subject Property. The User Questionnaire was completed by Mr. Dean Oliver, a Project Developer for the User, and was returned to Langan on February 24, 2021. Mr. Oliver indicated that he is not aware of any pending, threatened, or past litigation, administrative proceedings, or government notices related to hazardous substances or petroleum products in, on, or emanating from the Subject Property. A copy of the completed questionnaire is included in Appendix B. The User provided a January 2014 Phase I ESA performed by AKRF, Inc. for review, a copy of this report is included in Appendix C.

3.2 Owner/Operator Questionnaire

A questionnaire was provided to the Subject Property owner/operator via the User. The Owner/Operator Questionnaire was completed by Mr. Tony Renteria, Key Site Manager for the Kingsbrook Jewish Medical Center, and was returned to Langan on January 13, 2021. Mr. Renteria indicated that he is not aware of any environmental assessment reports, environmental compliance audits, environmental permits, underground storage tanks (UST) or above ground storage tanks (AST), use limitations, cleanup reports, or violations related to the Subject Property. A copy of the completed questionnaire is included in Appendix B.

3.3 Previous Environmental Reports

AKRF, Inc. performed a Phase I ESA on behalf of the Owner in accordance with ASTM Standard E1527-13. This report covers the entire Kingsbrook Medical Center campus including the southern parts of Block 4602, Lots 1 and 5, as well as the eastern parking lot (a.k.a Vital Brooklyn Site K), referred to as the 'site'. The following RECs were identified:

- Records for Petroleum Bulk Storage (PBS) onsite including No. 4 fuel oil, No. 6 fuel oil and diesel stored in underground storage tanks (USTs) ranging from 500-gallons to 40,000-gallons and above ground storage tanks (ASTs) ranging from 500-gallons to 1,000-gallons were identified. Closure documentation related to two USTs was not identified. Potential releases from current and/or former PBS tanks may have impacted the site subsurface.
- Historic site uses including on-site laboratories and x-ray laboratories, as well as a Resource Conservation and Recovery Act (RCRA) Small Quantity Generators (SQG) and air emissions database listing indicate the historical use of hazardous material. Historic disposal of hazardous substances related to historical uses may have impacted the site subsurface.

- Groundwater monitoring wells associated with an adjoining gasoline station spill were observed throughout the eastern part of the site (a.k.a Vital Brooklyn Parcel K).

Current and former PBS tanks were noted within the southern parts of Block 4602, Lots 1 and 5, outside the Subject Property boundaries, therefore not considered a REC; additional information is provided in Section 4.2. Based on the lack of violations related to the RCRA SQG, it is not considered a REC; additional information is provided in Section 4.1. Potential impacts migrating on-site from an offsite spill is considered a REC, additional information on this spill is provided in Section 4.2.

The following on-site and off-site environmental concerns were identified:

- Hazardous chemical storage associated with hospital operations was observed in designated areas throughout site buildings.
- Based on building age, asbestos containing materials (ACM), polychlorinated biphenyl containing materials (PCBs) and lead based paint (LBP) may be present in buildings throughout the site.
- A greenhouse identified on Sanborn maps between 1969 and 2007 may be associated with historical herbicide/pesticide use and potential lead leaching from greenhouse materials.
- A 2012 geotechnical Investigation within the Briger parking lot, located in the southern part of Lot 1, identified groundwater at approximately 23 feet below ground surface (bgs) with perched groundwater around 10 feet bgs. Fill material was observed to about 12 feet bgs, underlain by varying layers of silt, sandy gravel and sands to boring termination depth (about 29 to 32 feet bgs). Potential buried structures, and debris in fill may be present.
- A gasoline filling station adjoining the site to the east (530 Utica Avenue, adjoining the Vital Brooklyn Site K to the east) was noted from 1969 through 2007. Spill no. 9614292 is associated with this property identified impacted soil and groundwater with off-site delineation ongoing.
- A PBS listing at 282 Midwood Street, about 200 feet north of the Site was identified.
- Historical use of adjoining and surrounding properties include a gasoline filling station, auto repair, laundry, carpenter shop, and a chemical storage warehouse, which may have impacted the site subsurface.

The presence of fill is considered a Business Environmental Risk (BER), additional information is provided in Section 5.3. Potential ACM, PCB-containing materials, and LBP is considered a non ASTM Consideration, additional information is provided in Section 7.2. Potential impacts migrating on-site from an offsite spill is considered a REC, additional information in this spill is provided in Section 4.2. Historical uses of adjoining and surrounding properties is considered a REC, additional information is provided in Section 4.6.

4.0 ENVIRONMENTAL RECORDS

Regulatory database information was provided by EDR and is included in Appendix D. The EDR report is a listing of sites identified on select federal and state standard source environmental databases within the approximate search radii specified by ASTM E1527-13. Langan reviewed each environmental database on a record-by-record basis to evaluate whether the identified sites represent a potential for environmental impact to the Subject Property. Langan also reviewed "Orphan Sites" listed within the report. Orphan Sites are those sites that could not be mapped because of inadequate address information. Any Orphan Sites identified by Langan within the ASTM search radii, either during the site reconnaissance or by cross-referencing to mapped listings, are addressed in the discussion below.

The following table lists the number of sites identified in standard and additional environmental record databases, within the prescribed search radius and appearing in the EDR Report.

DATABASE RECORD SUMMARY			
Database Reviewed (Date of government version)	**Minimum Search Area**	**Subject Property Listed**	**Number of Sites Within Minimum Search Area**
USEPA DATABASES			
National Priorities List (NPL) (12/30/2020)	1 Mile Radius	No	0
Delisted NPL (12/30/2020)	1 Mile Radius	No	0
Superfund Enterprise Management System (SEMS) and SEMS-ARCHIVE (12/30/2020)	1/2 Mile Radius	No	0
Resource Conservation and Recovery Act (RCRA) Corrective Reports (CORRACTS) (12/14/2020)	1 Mile Radius	No	0
RCRA Treatment, Storage, and Disposal Facilities (TSDF) (12/14/2020)	1/2 Mile Radius	No	0
RCRA Generators (RCRA-large quantity generator [LQG], RCRA-small quantity generator [SQG], RCRA-very small quantity generator [VSQG], RCRA Non-Gen) (12/14/2020)	Subject Property and Adjoining	No	4
Facility Index System (FINDS) (11/04/2020)	Subject Property	No	0
Environmental Response Notification System (ERNS) (12/14/2020)	Subject Property	No	0
Engineering Controls (EC) Sites Lists (10/28/2020)	Subject Property	No	0
Institutional Controls (IC) Sites Lists (10/28/2020)	Subject Property	No	0

DATABASE RECORD SUMMARY			
Database Reviewed (Date of government version)	**Minimum Search Area**	**Subject Property Listed**	**Number of Sites Within Minimum Search Area**
NYSDEC DATABASES			
Inactive State Hazardous Waste Sites (SHWS) and Delisted SHWS (11/09/2020)	1 Mile Radius	No	0
Hazardous Substance Waste Disposal Site Inventory (HSWDS) (01/01/2003)	1/2 Mile Radius	No	0
Solid Waste or Landfill Facilities (SWF/LF) (09/30/2020)	1/2 Mile Radius	No	0
Leaking Tanks (LTANKS) (11/09/2020)	1/2 Mile Radius	No	32
SPILLS Information Database (NY SPILLS) (11/09/2020)	1/8 Mile Radius	No	14
Petroleum Bulk Storage Facilities (PBS) UST and AST Databases (09/21/2020)	Subject Property and Adjoining	No	3
Chemical Bulk Storage (CBS) UST and AST Databases (09/21/2020)	Subject Property and Adjoining	No	0
Major Oil Storage Facilities (MOSF) UST and AST Databases (09/21/2020)	1/2 Mile Radius	No	0
Voluntary Cleanup Program (VCP) (11/09/2020)	1/2 Mile Radius	No	0
Brownfields (11/09/2020)	1/2 Mile Radius	No	0
EC Sites (11/09/2020)	Subject Property	No	0
IC Sites (11/09/2020)	Subject Property	No	0
Registered Drycleaners (NY DRYCLEANERS) (12/02/2020)	1/4 Mile Radius	No	3
EDR (PROPRIETARY) DATABASES			
EDR Manufactured Gas Plant (MGP) (N/A)	1 Mile Radius	No	2
EDR Historical Auto Stations (Hist Auto) (N/A)	1/8 Mile Radius	No	8
EDR Historical Cleaners (Hist Cleaner) (N/A)	1/8 Mile Radius	No	0

NA Not Applicable; databases with a "Not Applicable" Minimum Search Radius are databases reviewed as part of the Phase I ESA but not required as per ASTM International E1527-13.

A description of the reviewed databases is provided in the EDR Report (Appendix D). A summary of sites identified within the prescribed search area is presented below.

4.1 Federal Agency Database Findings

The Subject Property and/or sites within the respective minimum search distances as specified by ASTM E1527-13 were not listed in the following Federal Agency databases: NPL, Delisted NPL, SEMS, SEMS-ARCHIVE, RCRA CORRACTS, RCRA TDSF, FINDS, ERNS, EC sites, or IC sites. The following summary describes the sites identified within the designated search radii:

RCRA Generators Database

The RCRA generators/transporters database is USEPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites that generate, transport, store, treat and/or dispose of hazardous waste as defined by RCRA. RCRA Databases include Large Quantity Generators (LQG), Small Quantity Generators (SQG), Very Small Quantity Generators (VSQG), and Non Generators (NonGen). The minimum search distance for these databases is the Subject Property and adjoining properties. The Subject Property was not identified in the RCRA generator databases by listing address; however, four adjoining properties were identified within the search radius. Three listings were identified as Con Edison manholes or vaults. Con Edison maintains an internal protocol for managing hazardous substances and no violations were identified for these listings; therefore, they are not considered RECs. The remaining listing is summarized below:

Site Name: Kingsbrook Jewish Medical Center
Site Address: 585 Schenectady Avenue, Brooklyn, NY
Location: Subject Property and south-adjoining property (downgradient)
Description: Kingsbrook Jewish Medical Center is listed under EPA ID NYD986954188 as a NonGen (1995, 2006) and a SQG (1991, 2003, 2007) for the generation of ignitable waste (D001), corrosive waste (D002), reactive waste (D003), mercury (D009), silver (D011), and spent halogenated solvents (F001, F002, F003, F004, and F005). The facility has received notices for violations including small quantity handlers of universal waste, general generator violations and on-site compliance evaluation inspections. Based on the length of hazardous waste handling operations (at least 1991 to 2007), record of violations, and types of waste handled the potential release of hazardous materials to the Subject Property is considered a REC.

Note: the address registered with this listing does not pertain to the Subject Property; however, the Subject Property is part of the Kingsbrook Jewish Medical Center. Therefore, hazardous waste identified in this listing may have been generated or stored in the Subject Property.

4.2 State Agency Database Findings

The Subject Property and sites within the respective minimum search distances as specified by ASTM E1527-13 were not listed in the following State Agency databases: SHWS, Delisted SHWS, HSWDS, SWF/LF, VCP, Brownfields, EC Sites, IC Sites, CBS, or MOSF. The following summary describes the sites identified within the designated search radii:

NY Leaking Storage Tanks Database

The LTANKS database contains an inventory of reported leaking storage tank incidents, including leaking USTs and ASTs. The primary causes of LTANKS incidents include tank test failures, tank failures, and tank overfills. The Subject Property was not identified in the LTANKS database; however, 32 listings were identified within the ½-mile search radius. Twenty eight (28) of the LTANK listings have been granted closed status by the NYSDEC, indicating that NYSDEC is satisfied with spill remediation. The remaining LTANK listings are over 945 feet upgradient of the Subject Property. Based on the regulatory status and/or distance from the Subject Property, these listings are not considered RECs.

NY Spills Database

The Spills database, maintained and updated by NYSDEC, is an inventory of sites where spills have been identified and reported to the NYSDEC. The Subject Property was not listed in the Spills database; however, 14 spills associated with sites within the minimum search area of 1/8-mile were identified. Twelve (12) of the listings have been granted closed status by the NYSDEC, indicating that NYSDEC is satisfied with spill remediation. The remaining two listings are summarized below:

Site Name: BP Amoco Station #655
Site Address: 529 Utica Avenue, Bronx, NY
Location: About 350 feet east (up/cross-gradient) of the Subject Property
Description: Spill No. 9309669 was reported on November 10, 1993 for an unknown quantity of gasoline released to the subsurface that was identified during tank removal. On March 18, 2003 the property operator entered a stipulation agreement with the NYSDEC remediate spill impacts. Remedial activities including groundwater sampling have been reported through February 2017. Depth to water was reported at about 23 to 24 feet bgs and was calculated to flow southeast. A maximum BTEX (benzene, toluene, ethylbenzene, and xylenes) concentration of 7,100 parts per billion (ppb) in groundwater was reported.

Site Name: Speedway 7837 (Former Hess Station 32534)
Site Address: 530 Utica Avenue, Brooklyn, NY
Location: About 250 feet east (up/cross-gradient) of the Subject Property

Description: Spill No. 9614292 was reported on March 10, 1997 for an unknown quantity of gasoline released to the subsurface that was identified during tank removal. . Remedial activities including groundwater sampling have been reported through June 2020, A maximum total VOC (volatile organic compounds) concentration of 4,470.2 micrograms per liter (ug/L) was reported. The spill case remains open with the NYSDEC.

Based on the open regulatory status, elevated concentrations of petroleum compounds detected in in groundwater, and proximity to the Subject Property, Spill Nos. 9309669 and 9614292 at the nearby current and former gasoline filling stations are considered RECs.

PBS UST and AST Databases

The PBS database is a listing of USTs and ASTs registered with the NYSDEC. A registered PBS UST or AST does not constitute a REC in and of itself; however, properties listed on the UST or AST databases with a reported leak, spill, or release could constitute a REC with respect to the Subject Property. The minimum search distance for these databases is the Subject Property and adjoining properties. The Subject Property was not identified in the PBS AST or UST databases by physical address. Two listings were identified within the search radius. These listings are summarized below:

Site Name: Harry Silver Housing Co.
Site Address: 828 Midwood Street, Brooklyn, NY
Site Location: Northern-adjoining property (upgradient)
Description: PBS No. 2-199095 indicates two in-service No. 2 fuel oil ASTs (4,000 and 6,000 gallons) installed on December 1, 1991 in subterranean vaults and two closed and removed No. 6 fuel oil ASTs (10,000 and 20,000 gallons).

Site Name: Kingsbrook Jewish Medical Center
Site Address: 585 Schenectady Avenue, Brooklyn, NY
Site Location: Subject Property and south-adjoining property (cross/downgradient)
Description: NYSDEC PBS facility (PBS No. 2-109126) indicates one in-service 1,000-gallon diesel AST in contact with an impervious barrier installed on February 1, 2002; one in-service 2,500-gallon diesel AST installed on February 1, 1991 in a subterranean vault; one in-service 20,000-gallon No. 2 fuel oil UST installed on January 1, 1976; one in-service 40,000-gallon No. 6 fuel oil UST installed on January 1, 1962; two diesel USTs (500 and 1,000 gallons) that were closed and removed on June 24, 2002; and one in-service 1,500-gallon diesel UST that was installed on February 1, 2002.

Note: the address registered with this listing does not pertain to the buildings on the Subject Property; however, the Subject Property is part of the Kingsbrook Jewish Medical Center. Based on interviews conducted during reconnaissance (Section 5.0), there is no active or historical petroleum bulk storage within the Subject Property boundary. All petroleum bulk storage for the Kingsbrook Jewish Medical Center is off-site in southern-adjoining portions of the campus.

Spills and/or LTANK listings were not listed in association with these sites. Based on the absence of violations associated with these PBS facilities, these listings are not considered RECs.

NY Drycleaners Database

The NY Drycleaners database is a listing of registered dry cleaning facilities. Dry cleaning facilities are associated with the use of tetrachloroethylene (PCE), a solvent that has the potential to infiltrate groundwater and can readily migrate to surrounding properties. The Subject Property was not listed in the NY Drycleaners database; however three listings were identified within the 1/4-mile search radius. Two of the listings are located over 1,000 feet north-northwest (up/cross-gradient) of the Subject Property. One of the listings was identified as a RCRA-SQG; however, no violations or spills were associated with either of the two sites. The remaining listing is about 750 feet north-northwest (up/cross-gradient) of the Subject Property and has no associated spills, violations or RCRA generator listings. Based on the distance with respect to the Subject Property and absence of violations associated with these listings, they are not considered RECs.

4.3 Other Database Findings

Manufactured Gas Plant

The MGP Site database is a proprietary database that includes records of historical manufactured coal gas plants compiled by EDR. The Subject Property was not listed in the MGP database; however, two listings were identified within the one-mile search radius. This listings are located more than 4,200 feet upgradient from the Subject Property and are not considered RECs.

Historical Auto Stations

The Hist Auto database is a proprietary database that lists potential gas station/filling station/service station sites based on review of national collections of business directories that were available to EDR researchers. The Subject Property was not listed in the Historic Auto database, however eight listings were identified within the 1/8-mile search radius. Six sites are located over 400 feet northeast (up/cross-gradient) or over 550 feet southeast (downgradient) from the Subject Property and are not associated with other Spills, LTANKS, RCRA generator listings; therefore these sites are not considered RECs. The remaining two Hist Auto listings are summarized below:

Site Name: Merit Oil Corporation
Site Address: 530 Utica Avenue, Brooklyn, NY
Site Location: About 250 feet east (up/cross-gradient) of the Subject Property
Description: This facility was identified as an engine fuels and oils supplier and gasoline service station between 1986 and 2010. The address of the listing corresponds to the spill listing for the BP Amoco Station #655, which is considered a REC.

Site Name: Tacoma & Company
Site Address: 529 Utica Avenue, Brooklyn, NY
Site Location: About 350 feet east (up/cross-gradient) of the Subject Property
Description: This facility was identified as a gasoline service station between 1974 and 1983 and an auto repair shop between 1986 and 2004. The address of the listing corresponds to the spill listing for Speedway 7837 (Former Hess Station 32534), which is considered a REC.

Based on the proximity of the sites with respect to the Subject Property, and association with open NYSDEC Spill cases, these listings are considered RECs.

4.4 Local Regulatory Agency Findings

FOIA Requests

FOIA requests were submitted on March 2, 2021 to the following federal, state, and local agencies via written correspondence:

- New York City Department of Environmental Protection (NYCDEP)
- NYC Department of Health and Mental Hygiene (DHMH)
- NYC Fire Department (FDNY)
- New York State Department of Health (NYSDOH)
- NYSDEC
- USEPA – Database Search

With the exception of the USEPA, complete responses have not been received from the agencies regarding the Subject Property. Should future responses alter the conclusions of this Phase I ESA, an addendum will be issued. Copies of the FOIA requests are included in Appendix D.

USEPA

Langan performed a search of the USEPA MyProperty and MyEnvironment databases on March 2, 2021. The Subject Property was not identified in MyProperty. MyEnvironment listings cited public health indexes (air quality, water quality, etc.) for the area and did not indicate any RECs associated with the Subject Property. A copy of the MyEnvironment records are included in Appendix D.

New York City Department of Buildings

Langan conducted a records search through the DOB online query system on March 2, 2021. The Subject Property is identified on the Brooklyn Borough Tax Map as then northern portions of Lots 1 and 5 on Block 4602, with Building Identification Numbers (BINs) 3327554 and 3327565, respectively. Lots 1 and 5 are both classified as I1-Hospitals and Health by the Department of Finance (DOF).

Forty-one (41) active NYCDOB violations and 5 active Environmental Control Board (ECB) violations are listed for Lot 1, and 44 NYCDOB and 10 ECB violations were identified for Lot 5. Violations are associated with failure to maintain building façade and appurtenances, failure to submit a report documenting compliance with exterior wall and appurtenances inspections, failure to submit an acceptable report indicating correction of unsafe conditions, failure to maintain elevator compliance, and operation of place of assembly without a permit.

Temporary Certificates of Occupancy (CO) were identified for the Subject Property between 1976 and 1992 under Building Identification Number (BIN) 3327565. All Temporary COs are attributed to the same BIN, however different time periods appear to refer to different buildings, it is unclear which buildings fall within the Subject Property boundaries and which are located within the southern part of Block 4602, Lots 1 and 5.

A review of NYCDOB records for the Subject Property did not identify any RECs. Records obtained from the DOB are provided in Appendix E.

New York City Planning Commission

According to the New York City Planning Commission Zoning Map 17b, the Subject Property is located in an R6 zoning district. This is a residential zoning district that allows medium-density apartment building use. A copy of the zoning map is provided in Appendix F.

E-Designation

Tax Lots can be designated with an "E" on the Zoning Maps of the City of New York for potential hazardous material contamination, air quality and/or noise impacts. For properties that have been E-Designated, the DOB restricts issuance of building permits until the OER reviews information prepared by an environmental professional and makes a determination to issue a "Notice-of-No-Objection" or a "Notice-to-Proceed" to the DOB. Before the OER was established in 2008, the DEP conducted these reviews. Langan reviewed the following information sources to determine if the Subject Property was listed as an E-Designated site:

- City Environmental Quality Review (CEQR) Environmental Designations List on March 11, 2021 (https://zr.planning.nyc.gov/appendix-c-table-1-city-environmental-quality-review-ceqr-environmental-requirements-e-designations)
- CEQR Restrictive Declaration List on March 11, 2021 (https://zr.planning.nyc.gov/appendix-c-table-2-city-environmental-quality-review-ceqr-environmental-requirements-environmental)
- NYCDOB BIS on March 11, 2021 (http://a810-bisweb.nyc.gov/bisweb/bispi00.jsp)

According to the list of CEQR Environmental Designations available on the NYC Department of City Planning (DCP) website, the Subject Property is not an E-Designated site.

4.5 Physical Setting Sources

4.5.1 Topography

According to the 2013 United States Geological Survey (USGS) Brooklyn Quadrangle 7.5-Minute Series Topographic Map, the Subject Property is at an elevation of about 30 feet above mean sea level (msl). The surface topography at the Subject Property slopes downward slightly to the southeast.

4.5.2 Geology

Based on a review of the "Bedrock and Engineering Geologic Maps of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey" by Charles A. Baskerville, et al., the bedrock underlying the Subject Property is the Hartland Formation. The Hartland Formation is comprised of a dark grey, medium to coarse-grained muscovite-biotite-garnet (mica) schist and grey fine-grained quartz feldspar granulite with biotite and garnet, with localized concentrations of granite and intrusions of coarse-grained granitic pegmatite. Geological surface features (e.g., rock outcroppings) were not observed at the Subject Property.

Fill was observed in soil stockpiles in an excavated area during the site reconnaissance. Fill found in urban environments typically contains ash, demolition debris, and/or municipal waste products and may contain contaminants (e.g., semivolatile organic compounds [SVOCs] or metals) at concentrations above regulatory standards. The likely presence of fill at the Subject Property will require implementation of soil handling and management procedures during future site redevelopment to address excavation, re-use, handling, and off-site disposal, which may result in material cost to the User. As such, the presence of fill at the Subject Property is considered a BER.

4.5.3 Hydrogeology

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

Based on a review of regulatory database records for nearby properties (Section 4.2), groundwater is expected to be encountered about 23 feet below grade at the Subject Property, and flow to the southeast. The closest body of water is Prospect Park Lake, approximately 1.75 miles southwest of the Subject Property. Groundwater in New York City is not used as a potable

water source. Potable water in Brooklyn is obtained from surface impoundments in the Croton, Catskill, and Delaware watersheds.

Based on the Federal Emergency Management Agency (FEMA) Effective Flood Insurance Rate Map (FIRM) dated September 5, 2007 (Map Number 3604970216F), the Subject Property is located in Zone X, which describes an area of minimal flood hazard.

4.6 Historical Use Information

Langan reviewed available historical resources (including aerial photographs, Sanborn and topographic maps, and city directories) dated 1897 through 2017. Findings of the reviews are presented below.

4.6.1 Aerial Photographs

Langan reviewed aerial photographs of the Subject Property and surrounding areas for the years 1924, 1951, 1954, 1961, 1966, 1976 1980, 1984, 1994, 2006, 2009, 2013 and 2017. The photographs indicate that the Subject Property was located in a partially developed area as early as 1924. Circa 1924, the Subject Property appeared primarily vacant and unimproved, with the exception of a structure located in the northeastern portion the Subject Property. By 1951, existing structure was demolished, and the Subject Property was developed with a central courtyard, and the Leviton, Blumberg, LeFrak buildings. The southern adjoining property appeared partially developed with other buildings for the Kingsbrook Jewish Medical Center. By 1961, the Masin building was constructed in the northeastern portion of the Subject Property. The Subject Property appears primarily unchanged in aerial photographs from 1961 to 2017.

From 1951 to 1954, the surrounding area appeared more densely developed with residential buildings, apartment complexes, and sporting fields. Gasoline filling station operations can be seen to the northeast by 1961 (530 Utica Avenue) and 1980 (529 Utica Avenue). Additional buildings were constructed on the southern adjoining Kingsbrook Jewish Medical Center circa 1966 to 1994. A review of aerial photographs did not identify RECs. Copies of aerial photographs are included in Appendix G.

4.6.2 Sanborn Fire Insurance Maps

Langan reviewed Sanborn Maps for the Subject Property for the years 1905, 1929, 1951, 1969, 1977, 1979, 1980, 1981, 1983, 1986, 1987, 1989 through 1995, and 2001 through 2007. Sanborn Maps include detailed historical property information for many cities and towns in the United States. Copies of the maps are provided in Appendix H.

The 1905 Sanborn Map shows that the Subject Property is undeveloped, and East 48th Street transects the center of the Subject Property, running north to south. The LeFrak building was constructed in 1927. By 1929, several dwellings and storage buildings are shown along the

norther boundary of the Subject Property. In the 1951 Sanborn Map, the alignment for East 48th Street is no longer shown, and the Blumberg and Leviton are shown (construction dates were noted to be 1933). The dwellings and storage buildings are no longer shown, indicated their demolition and removal. A gate house in the north-central portion of the Subject Property is shown. In the 1969, Sanborn Map, the Masin building is apparent and noted to have been constructed in 1957 for used administrative and laboratory purposes. The Subject Property appears primarily unchanged in Sanborn Maps between 1969 and 2007.

The 1905 Sanborn Map, the adjoining and surrounding properties were primarily undeveloped with the exception of few dwellings northwest of the Subject Property. In Sanborn Maps from 1951 to 1991, adjoining and surrounding properties were densely developed with residential, recreational, institutional and commercial buildings. The nearby properties appear primarily unchanged in Sanborn Maps between 1996 and 2007.

Nearby properties with the potential to impact the environmental integrity of the Subject Property are described below. Releases of petroleum products, solvents, and other hazardous substances associated with the historical operations of these properties may have adversely impacted groundwater and/or soil vapor at the Subject Property and are considered RECs.

- 504 Utica Avenue (about 400 feet northeast of the Subject Property – upgradient) gasoline filling station, auto repair, and car wash (circa 1951 to 2007)
- 530-540 Utica Avenue (about 160 feet east of the Subject Property – up/cross-gradient) gasoline filling station (circa 1969 to 2007)

4.6.2 Historical USGS Topographic Quadrangles

Langan reviewed historical USGS Topographic Quadrangles obtained from EDR for information regarding past uses of the Subject Property and surrounding improvement. Quadrangle maps were available for the Subject Property for the years 1897, 1898, 1900, 1947, 1956, 1967, 1979, 1995 and 2013. Copies of the topographic maps are provided in Appendix I.

Based on a review of the historical topographic maps, the Subject Property appears located in a sparsely developed area in 1897. By 1947, dense urban development is shown at the Subject Property and surrounding area. The topography around Subject Property slopes downward from the northwest to the southeast. A review of topographic maps did not identify RECs.

4.6.3 City Directories

The City Directory Abstract, obtained from EDR, is a review of available business directories, including city, cross-reference, and telephone directories, at approximately five-year intervals for the years spanning 1928 through 2017. A copy of the City Directory Abstract is provided in Appendix J.

Listings for Subject Property addresses (560 Schenectady Avenue, 830 Rutland Road, and 73 East 49th Street) appear residential from 1928 to 2017. Listings for adjoining and surrounding properties are primarily residential listings, and listings associated with the Kingsbrook Jewish Medical Center, including hospital, radiology, MRI services, and a pharmacy (1994 to 2017). A review of City Directory listings did not identify RECs.

4.6.4 Title Records, Environmental Liens, and Use Limitations

Langan contracted EDR to conduct an Environmental Lien search for the Subject Property. The results of the search, which included a compilation of available data and verification of the findings with the appropriate regulatory authorities, revealed that there are no Environmental Liens or other Activity and Use Limitations (AUL) associated with the Subject Property. The current owner of Lot 1 is noted as Kingsbrook Jewish Medical Center, and the current owner of Lot 5 is Rutland Nursing Home, Inc. A copy of the Environmental Lien Search is provided in Appendix K.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

The site reconnaissance was conducted in a systematic manner focusing on the spatial extent of the Subject Property and then progressing to the adjacent and surrounding properties. The assessment of the adjacent and surrounding properties was limited to identifying, if possible, any indications of past or current use that may involve the use, storage, disposal, or generation of hazardous substances or petroleum products; noting the general type of current use; the general topography of the surrounding area; and providing a general description of adjoining or adjacent structures. The adjacent properties were observed from public rights-of-way. Site reconnaissance photographs that illustrate the current condition of the Subject Property are presented in Appendix A.

5.2 Date and Time of Inspection

The reconnaissance was performed on March 9, 2021 at 10:00 am by Lexi Haley of Langan. Ms. Haley was accompanied by Mr. Kerwin John, a project manager for the Kingsbrook Jewish Medical Center, and Mr. William O'Connell, the facilities manager for the Kingsbrook Jewish Medical Center. The weather at the time of the inspection was sunny and about 60 degrees Fahrenheit. Site reconnaissance photographs are included in Appendix A.

5.3 General Site Setting and Reconnaissance Observations

The Subject Property is improved with two adjoining six- and four-story buildings (Blumberg and LeFrak) along East 49th Street, a six-story building (Masin) along Rutland Road, and a four-story building (Leviton) along Schenectady Avenue. The Subject Property also includes a central courtyard and a vacant security booth along the northern property boundary. The Leviton building is primarily used for office space and vaccine administration. The Masin building is mostly vacant with the exception of ground floor offices and laboratories on the second and third floors. The Blumberg and Lefrak buildings consist of ground floor doctor's offices, medical equipment storage, administrative offices, and a dialysis treatment center.

Pits, Ponds, Lagoons

Pits, ponds, or lagoons were not observed at the Subject Property.

Pools of Liquid

Standing water was observed within the maintenance area in the cellar of the Blumberg building near a hot water tank which appeared to have leaking pipes. Neither staining nor chemical odors were observed.

About 1- to 2- inches of standing water was observed in a utility room in the cellar of the Masin building. The water appeared to be leaking from piping attached to the hot water tank. Rust-like staining was observed on the concrete slab beneath the leaking pipes; however, neither odor nor evidence of a release of hazardous substances or petroleum were observed.

Storm Drains, Wells, and Cisterns

One drain was observed adjacent to the leaking hot water tank in the cellar of the Blumberg building, and two drains were observed in the hallway outside the hot water tank room in the cellar of the Masin building. According to Mr. John, the drains connect to the municipal sewer system. The drains appeared to be collecting water from the leaking water tanks at the time of inspection. Odor, staining or sheen were not observed in or around the drains.

In addition to cellar drains, each building on the Subject Property contained roof drains which appeared to be dry at the time of inspection. Storm drains were identified along the adjoining sidewalks to the northwest and northeast of the Subject Property.

Polychlorinated Biphenyl Transformers and Suspect Equipment

One transformer was observed in the cellar of the Masin building. The transformer was atop concrete legs and appeared to be in good condition. Staining, sheen or other indications of a release were not observed in the area surrounding the transformer.

Storage Containers, Drums, and Chemical Storage Areas

Chemical storage was observed throughout the Subject Property. The following chemicals were observed: fire extinguishers, elevator gear oil, paint, phosphorous reagent, electrolyte buffer, heat transfer fluid, sodium hydroxide, dry acid concentrate, germicidal bleach, hydrogen peroxide and isopropyl alcohol. Chemicals were observed to be staged on shelving or atop intact concrete flooring with no staining or other indications of a release.

One 55-gallon plastic drum of propylene glycol was observed in the leaking hot water tank room in the cellar of the Masin building. The drum was staged on a concrete slab which appeared to be in good condition with no staining beneath or around the drum. Five plastic drums of unknown contents were observed in the maintenance room on the roof of the Masin building. The drums were positioned atop concrete and did not appear to be leaking. Four 55-gallon plastic drums of unknown contents were observed outside the fire exit on the roof of the LeFrak building. Two of the drums were positioned on their sides; however all of the drums appeared to be in good condition.

Waste Generation, Storage, and Disposal

Waste generation, storage, and disposal were not observed on the Subject Property at the time of the inspection; however, empty reusable sharps containers with biohazard labels were

observed in the sample storage room of the laboratory on the third floor of the Masin building. Mr. O'Connell was unaware of the disposal procedures of waste generated by the laboratory. RCRA waste generation was not observed on the Subject Property.

Sumps

One sump was observed in the utility room in the cellar of the Leviton building. No liquid was present in the sump at the time of the inspection. Odor, staining or sheen were not observed in or around the sump. Two sumps were observed in the cellar hallway of the Leviton building. The sumps appeared to be constructed of concrete sides with no drain and was dry at the time of inspection. The bottom of the sumps were observed to contain soil and debris. Staining or sheen was not observed in or around the sums.

One sump was observed within the maintenance area in the cellar of the Blumberg building. The sump was observed to be constructed of concrete sides with no drain and was dry at the time of inspection. The bottom of the sump was observed to contain soil. Staining or sheen were not observed in or around the sump.

USTs or ASTs

One fill port and vent pipe were observed in a landscaped area between Schenectady Avenue and the Leviton building. Mr. O'Connell explained that the fill port and vent pipe were connected to a 1,500-gallon diesel fuel AST located inside the DMRI/Rutland Nursing Home building on the south-adjoining portion of the medical campus, adjoining the Subject Property. No staining or odors were present near or around the fill port and vent pipe. USTs and ASTs were not observed on the Subject Property.

Stained or Discolored Soil

Stained or discolored soil were not observed on the Subject Property; however, soil stockpiles were observed adjacent to the Blumberg building in the courtyard. Mr. John indicated that stockpiles were related to the previous repair of a buried pressurized steam pipe.

Monitoring Wells or Remedial Activities

Monitoring wells were not observed on the Subject Property; however, two circular patches of concrete were identified on the sidewalk near the entrance to the LeFrak building on East 49th Street. In addition, one monitoring well was observed on the sidewalk across East 49th Street, indicating the potential of previous investigation activities.

Leachate or Seeps

Leachate or seeps were not observed at the Subject Property.

Adjoining and Surrounding Property Uses

The Subject Property is bound to the north by a Rutland Road followed by a residential multi-family housing complex; to the east by East 49th Street followed by a parking lot and gasoline service station; to the south by the southern part of the Kingsbrook Jewish Medical Center campus; and to the west by Schenectady Avenue followed by multi-family residential buildings.

Mr. O'Connell indicated that a power-generation facility for boilers is located off-site on the southern adjoining medical campus. The power-generation facility, which adjoins the LeFrak building had previously operated as a coal generation power plant. Flue gas stacks were observed on the roof of the Blumberg building. Mr. John confirmed that the stacks were out of service, but had previously been in use when the coal generation plant was in operation. The boilers are currently fueled by a 2,500 gallon diesel AST, which was observed in the off-site power-generation facility during the time of the site reconnaissance. The AST was encased in concrete, and no staining or odors were observed in the area.

A brick vault and fill port were observed in the courtyard on the southern-adjoining portion of the medical campus. According to Mr. John, the vault contains a 40,000 gallon No. 6 Fuel Oil UST. According to Mr. O'Connell, the UST is no longer in use due to NYSDEC restrictions on No. 6 Fuel Oil; however, the contents have the tank have not been removed and the tank has not been formally closed. As previously discussed in Section 4.2, based on the lack of reported releases or violations associated with petroleum bulk storage at the Kingsbrook Jewish Medical Center, the UST at southern-adjoining medical campus is not considered a REC.

Site Reconnaissance Conclusions

At the time of the site reconnaissance, some rooms (including one room infested with bed bugs) were locked and inaccessible. Inaccessible spaces in the building cellars were confirmed not to contain hazardous materials by site personnel. Furthermore, not all areas of the Subject Property were visible during the inspection. This is considered a data gap, discussed further in Section 8.2.

Stockpiles of fill were observed in the central part of the Subject Property in the courtyard adjacent to the Blumberg building. Mr. John indicated that stockpiles were related to the previous repair of a buried pressurized steam pipe. The presence of fill at the Subject Property will require implementation of soil handling and management procedures during future site redevelopment; this is considered a BER as it may result in a material cost to the User.

Active RCRA waste generation was not observed during the site reconnaissance, however as discussed in Section 4.1, the site formerly operated as a RCRA generator. Based on the length of hazardous waste handling operations (at least 1991 to 2007), record of violations, and types of waste handled\ the potential release of hazardous materials to the Subject Property is considered a REC.

Historical operation of a coal power generation facility at the southern-adjoining property may have resulted in potential release of hazardous substances which may have adversely impacted groundwater and/or soil vapor at the Subject Property and is therefore considered a REC.

6.0 INTERVIEWS

6.1 Subject Property Owner/Occupant

Mr. William O'Connell, the facilities manager for the Kingsbrook Jewish Medical Center, was interviewed after the site reconnaissance. Mr. O'Connell indicated the Subject Property was heated by steam generated by boilers in the off-site power-generation building on the southern-adjoining property, south of the Lefrak and Blumberg buildings. According to Mr. O'Connell, the building previously operated as a coal generation power plant. The plant has not been used for coal generation since at least the 1980s. The boilers are currently fueled by a 2,500 gallon diesel AST, which was observed within the power-generation building during the time of the site reconnaissance. The AST was encased in concrete, and no staining or odors were observed in the area. Mr. O'Connell is unaware of any spills or leaks that may have occurred on the Subject Property or on the southern-adjoining property in regards to petroleum bulk storage.

Mr. O'Connell is aware of the current use of the Masin, Blumberg, and LeFrak buildings for laboratories, dialysis water treatment, and laboratory chemical storage. Mr. O'Connell is unaware of any chemical spills or leaks that may have occurred relating to the current use of the buildings on the Subject Property, and is unaware of the handling and disposal procedures for laboratory chemicals on the Subject Property.

6.2 Tenants/Operators of Adjacent Properties

Tenants or operators of adjacent properties were not interviewed during the site reconnaissance.

7.0 ADDITIONAL SERVICES

7.1 Radon

Radon is a colorless, odorless radioactive gas that results from the natural breakdown of uranium minerals in soil, rock, and water, which subsequently enters the atmosphere. It can concentrate in buildings, entering through cracks and other penetrations of a building foundation. Some areas are more likely to have elevated concentrations of radon than others, reflecting subsurface lithologic conditions.

The USEPA has established a recommended radon action level of 4.0 pico Curies per liter (pCi/L) for residential properties. According to the USEPA Radon Zone Map, the Subject Property is located in Zone 3, which indicates a predicted average indoor radon screening level less than 2 pCi/L. The NYSDOH maintains a database of radon test results on a local and county level. According to the NYSDOH, 483 radon tests have been conducted in basements in Kings County with results indicating that about 10.1 percent of basements have radon concentrations above the USEPA action level of 4 pCi/L. Based on this information, it is unlikely that elevated levels of radon gas are present at the Subject Property.

7.2 ACM, LBP, and PCBs

A formal survey to identify asbestos containing material (ACM), lead based paint (LBP), and PCB-containing material was not conducted as part of the Phase I ESA. Based on the construction date of the existing buildings at the Subject Property (1927, 1933 and 1957), it is likely that various building components contain ACM, LBP, and/or PCBs.

8.0 DEVIATIONS AND DATA GAPS

8.1 Deviations

Langan performed a Phase I ESA of the Subject Property utilizing a standard of good commercial and customary practice that is consistent with the ASTM E1527-13 and 40 CFR AAI Rule.

8.2 Data Gaps

In order to address data gaps, additional sources of information may be consulted. According to 40 CFR AAI Rule, Section 312.20 (g), "to the extent there are data gaps (as defined in section 312.10) in the information developed that affect the ability of persons (including the environmental professional) conducting the all appropriate inquiries to identify conditions indicative of releases or threatened releases such persons should identify such data gaps, identify the sources of information consulted to address such data gaps, and comment upon the significance of such data gaps." According to ASTM E1527-13, Section 8.3.2.3, "historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data failure occurs when all standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for the exclusion."

This Phase I ESA was completed with the following data gaps:

- Locked rooms within multiple buildings prevented complete inspection of the Subject Property
- Complete responses to FOIA requests have not been received

It is unlikely that satisfaction of these data gaps would alter the results of the Phase I ESA, therefore they are not considered significant. Should access be provided to these areas and the observations alter the conclusions of this Phase I ESA or additional FOIA information became available that alters the conclusion of this Phase I ESA, an addendum will be issued to this report.

9.0 FINDINGS, OPINIONS, AND CONCLUSIONS

This Phase I ESA was conducted in accordance with ASTM E1527-13 (Standard Practice for ESA: Phase I ESA Process) and the USEPA AAI Rule for the purpose of identifying for the purpose of identifying RECs, historical RECs (HREC), controlled RECs (CREC), and BERs. The Phase I ESA did not identify CRECs or HRECs. The Phase I ESA identified the following three RECs, one BER, one de minimis condition, and one non-ASTM consideration:

REC

A REC is defined by ASTM E1527-13 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property due to any release to the environment, under conditions indicative of a release to the environment, or under conditions that pose a material threat of a future release to the environment. The Phase I ESA identified the following RECs:

The Phase I ESA identified the following RECs:

REC 1 – Historical Hazardous Waste Generation at the Subject Property

The Subject Property was listed as a RCRA SGQ and NonGen/NLR between 1991 and 2007 for the generation of hazardous wastes. Violations related to RCRA generator status were identified. Based on the length of hazardous waste handling operations, record of violations, and types of waste handled historical releases of hazardous materials may have adversely impact soil, groundwater and/or soil vapor at the Subject Property.

REC 2 – Open Petroleum Spill Cases at Surrounding Properties

An active gasoline filling station (530 Utica Avenue – 250 feet east) and a former gasoline filling station and automotive repair facility (529 Utica Avenue – 350 feet east) are the subject of two open petroleum spill cases. Both properties are located up/cross-gradient of the Subject Property. Both spills were reported when subsurface impacts were identified during tank removals. Remedial actions were completed at both sites; however, on-going groundwater monitoring indicates concentrations of petroleum compounds in groundwater at concentrations above current regulatory standards as of 2017 and 2020. Both spill cases remain open. Residual petroleum contamination from the gasoline filling stations may adversely impact groundwater and/or soil vapor at the Subject Property.

REC 3 – Current and Historical Uses of Adjoining and Surrounding Properties

Current and historical uses of adjoining and surrounding properties include gasoline filling stations, auto repair facilities, and car washes (circa 1969-present) and a coal power generation facility (date unknown – circa 1980).

Releases of petroleum products, solvents, and other hazardous substances associated with the current and historical activity at adjoining and surrounding properties may have affected groundwater and/or soil vapor beneath the Subject Property.

BER

A BER is defined by ASTM E1527-13 as a risk that can have a material environmental or environmentally driven impact on the business associated with the current or planned use of a parcel of commercial real estate not necessarily limited to those environmental issues required to be investigated in this practice. The following BER was identified for the Subject Property:

Fill was observed in stockpiles located near to where a buried steam pipe was previously repaired. Fill found in urban environments typically contains ash, demolition debris, and/or municipal waste products and may contain contaminants (e.g., SVOCs or metals) at concentrations above current regulatory standards and at often at hazardous concentrations. Fill at the Subject Property may require implementation of soil handling and management procedures during future site redevelopment to address excavation, re-use, handling, and off-site disposal, which may result in material cost to the User.

Non-ASTM Consideration

A Non-ASTM Scope Consideration is identified by ASTM E1527-13 as an environmental issue or condition at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of ASTM E1527-13. The following non-ASTM consideration was identified for the Subject Property:

The buildings on the Subject Property were constructed in and 1927 (LeFrak), 1933 (Blumberg and Leviton) and 1957 (Masin), potentially with ACM, LBP, and PCB-containing materials. An intrusive survey to identify ACM, LBP, and PCB-containing material was not conducted as part of this Phase I ESA.

10.0 REFERENCES

The following references were reviewed as part of this Phase I ESA:

1. City Online Register, http://www.nyc.gov/html/dof/html/jump/acris.shtml, retrieved March 2, 2021.
2. Environmental Data Resources, Inc. March 2, 2021. Aerial Photo Decade Package.
3. Environmental Data Resources, Inc. March 2, 2021. City Directory Abstract.
4. Environmental Data Resources, Inc. March 3, 2021. Environmental Lien Search.
5. Environmental Data Resources, Inc. March 1, 2021. Historical Topographic Map Report.
6. Environmental Data Resources, Inc. March 2, 2021. Radius Map with GeoCheck.
7. Environmental Data Resources, Inc. March 2, 2021. Sanborn Map Report.
8. New York State Department of Health, NYSDOH Basement, First Floor Radon Screening Levels (December 2020), https://www.health.ny.gov/environmental/radiological/radon/towns.htm
9. New York City Department of Buildings, Building Information System, http://www.nyc.gov/html/dob/html/bis/bis.shtml, retrieved March 2, 2021.
10. New York City Planning Commission, Zoning Map 17b.

11.0 STATEMENT OF QUALIFICATIONS AND SIGNATURES

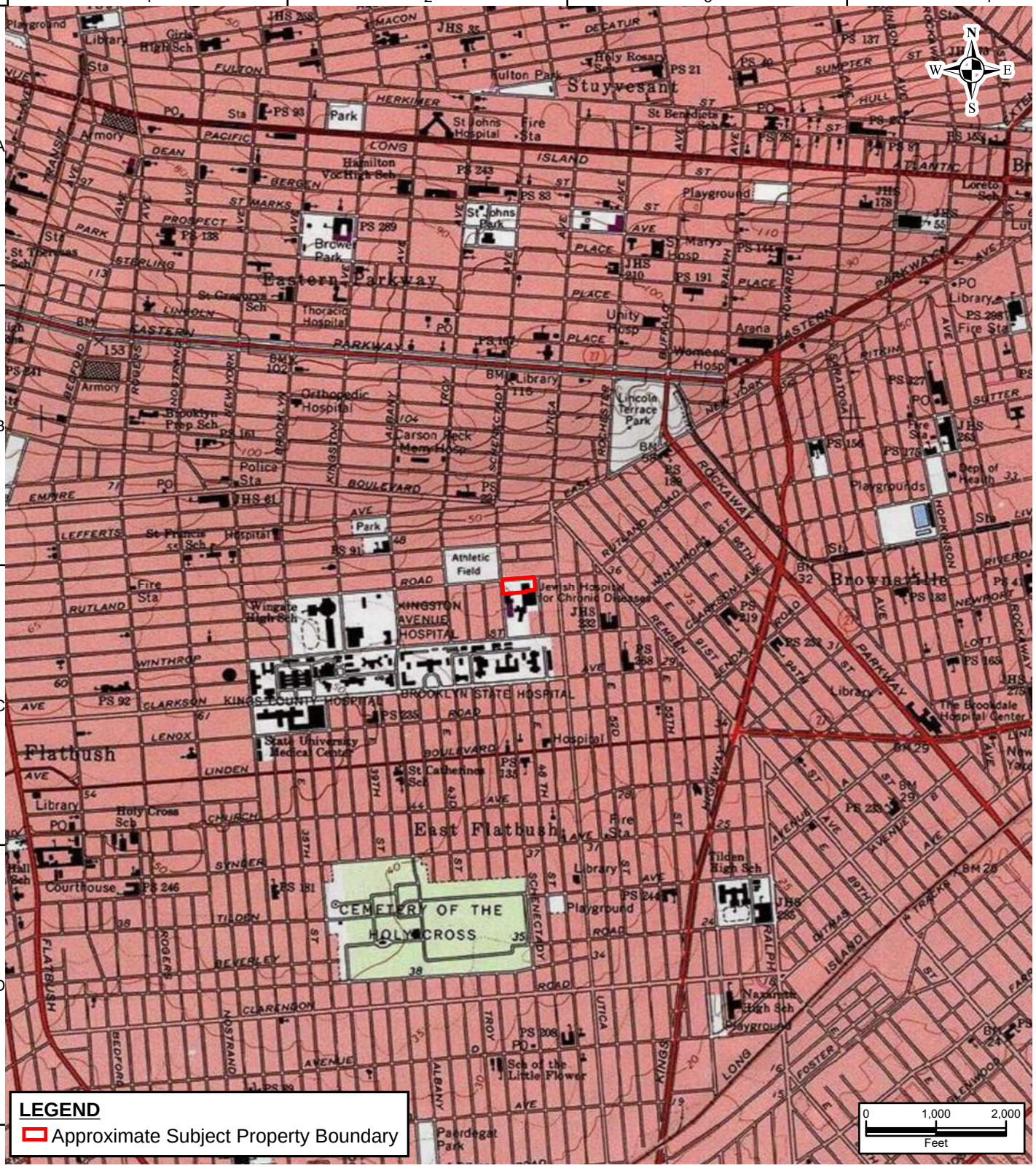
Langan declares that, to the best of its professional knowledge and belief, the personnel who performed this Phase I ESA meet the definition of Environmental Professional as defined in Subsection 312 10 of 40 CFR 312 and that they have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. They have developed and performed the AAIs in conformance with the standards and practices set forth in 40 CFR Part 312. Resumes outlining the qualifications of the Environmental Professionals who performed this Phase I ESA are provided in Appendix L.

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

DRAFT

Mimi S. Raygorodetsky
Principal

FIGURES



Copyright:© 2013 National Geographic Society, i-cubed; © 2013 National Geographic Society, i-cubed

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001-2727
T: 212.479.5400 F: 212.479.5444 www.langan.com
Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Langan International
Collectively known as Langan

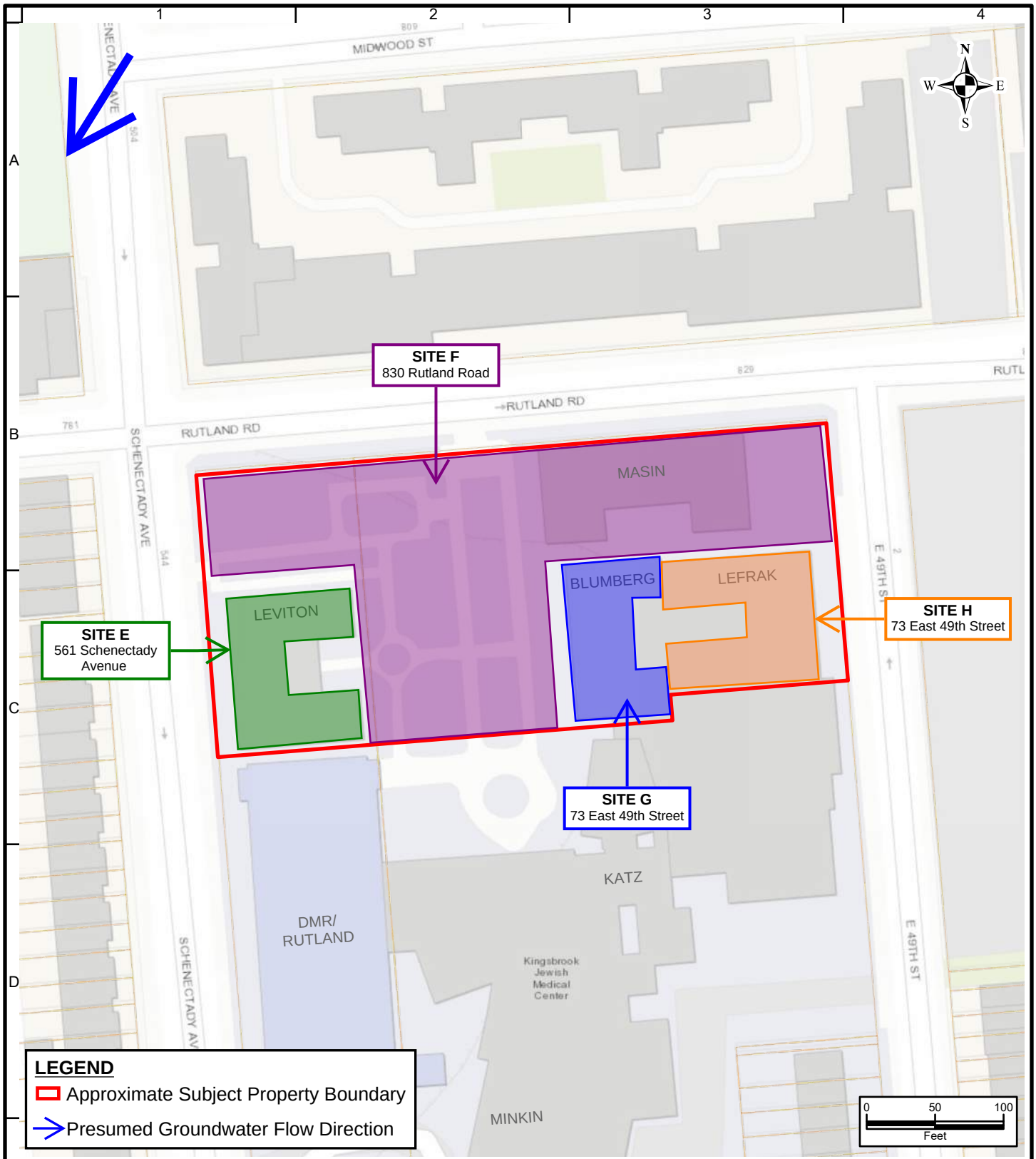
Project
VITAL BROOKLYN SITES E, F, G, AND H
BROOKLYN
KINGS COUNTY NEW YORK

Figure Title
SUBJECT PROPERTY LOCATION MAP

Project No.	170655401
Date	3/12/2021
Scale	1:2,000
Drawn By	Site Analyzer
Submission Date	03/11/2021
Figure	1
	Sheet 1 of 3

© 2021 Langan

Disclaimer: This information is produced by an automated system and may not be complete. The absence of a feature is not a confirmation that the feature is not present at the subject location. Information produced is in the public domain and unless noted has not been field verified or provided for any specific use. Users are also cautioned to confirm the information shown is suitable for their intended use.
Spatial Reference: NAD 1983 StatePlane New York Long Island FIPS 3104 Feet
Warning: It is a violation of the NYS Education Law Article 145 for any person, unless acting under the direction of a licensed professional engineer, land surveyor or geologist, to alter this item in any way.



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community, © Real Estate Portal USA, LLC 2021; © Real Estate Portal USA, LLC 2018

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001-2727
T: 212.479.5400 F: 212.479.5444 www.langan.com

Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Langan International
Collectively known as Langan

Project
VITAL BROOKLYN SITES E, F, G, AND H
BROOKLYN
KINGS COUNTY NEW YORK

Figure Title
SUBJECT PROPERTY PLAN

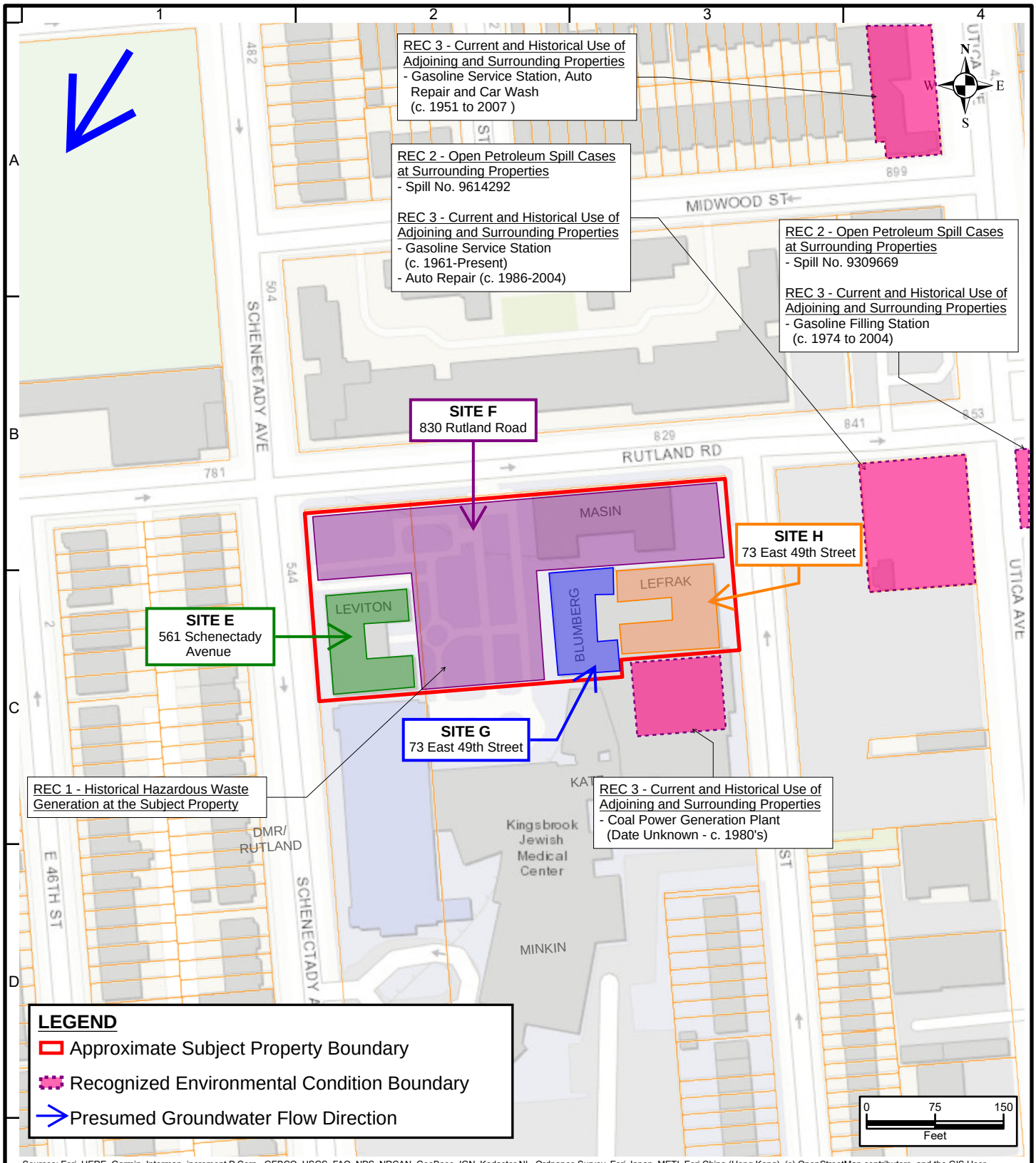
Project No.	170655401
Date	3/11/2021
Scale	1:100
Drawn By	Site Analyzer
Submission Date	03/11/2021

Figure 2

Sheet 2 of 3

© 2021 Langan

Disclaimer: This information is produced by an automated system and may not be complete. The absence of a feature is not a confirmation that the feature is not present at the subject location. Information produced is in the public domain and unless noted has not been field verified or provided for any specific use. Users are also cautioned to confirm the information shown is suitable for their intended use.
Spatial Reference: NAD 1983 StatePlane New York Long Island FIPS 3104 Feet
Warning: It is a violation of the NYS Education Law Article 145 for any person, unless acting under the direction of a licensed professional engineer, land surveyor or geologist, to alter this item in any way.



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community, © Real Estate Portal USA, LLC 2021; © Real Estate Portal USA, LLC 2018

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001-2727
T: 212.479.5400 F: 212.479.5444 www.langan.com
Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Langan International
Collectively known as Langan

Project
VITAL BROOKLYN SITES E, F, G, AND H
BROOKLYN
KINGS COUNTY NEW YORK

Figure Title
RECOGNIZED ENVIRONMENTAL CONDITION MAP

Project No.	170655401
Date	4/7/2021
Scale	1:150
Drawn By	Site Analyzer
Submission Date	03/11/2021

Figure **3**

Sheet 3 of 3

© 2021 Langan

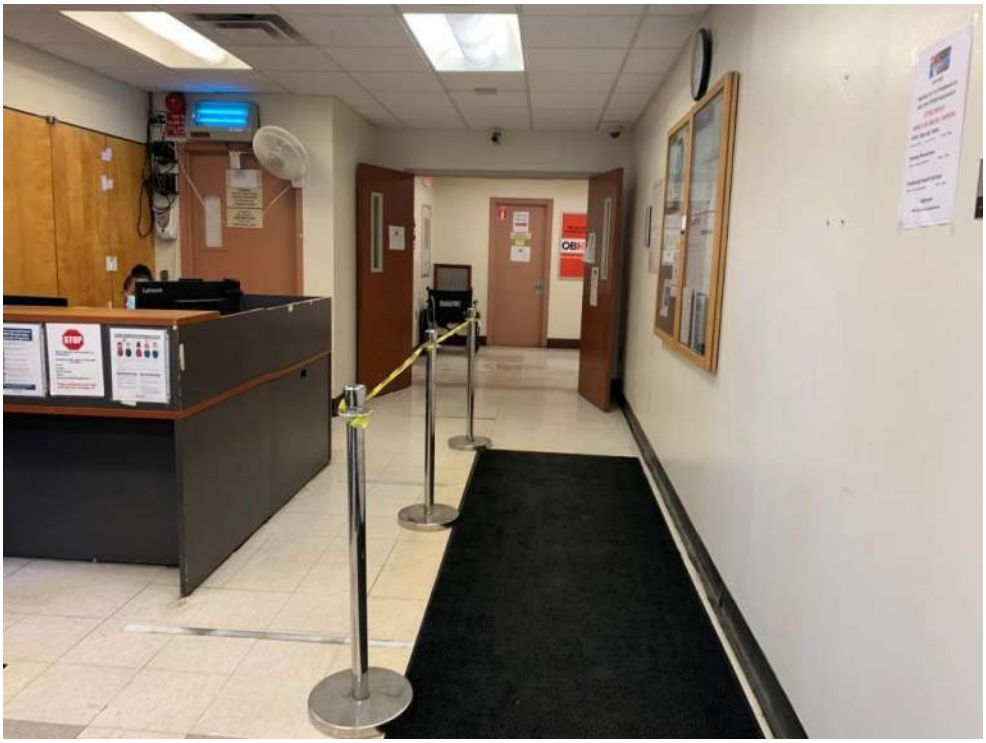
Disclaimer: This information is produced by an automated system and may not be complete. The absence of a feature is not a confirmation that the feature is not present at the subject location. Information produced is in the public domain and unless noted has not been field verified or provided for any specific use. Users are also cautioned to confirm the information shown is suitable for their intended use.
Spatial Reference: NAD 1983 StatePlane New York Long Island FIPS 3104 Feet
Warning: It is a violation of the NYS Education Law Article 145 for any person, unless acting under the direction of a licensed professional engineer, land surveyor or geologist, to alter this item in any way.

APPENDIX A

SITE RECONNAISSANCE PHOTOGRAPHS



Photograph 1: Entrance to the LeFrak building on East 49th Street (facing southwest).



Photograph 2: View of lobby area on ground floor of the LeFrak building (facing south).



Photograph 3: View of portable air conditioning unit in partial cellar of the LeFrak building (facing east).



Photograph 4: General view of biomedical storage area on the third floors of the LeFrak and Blumberg buildings (facing west).



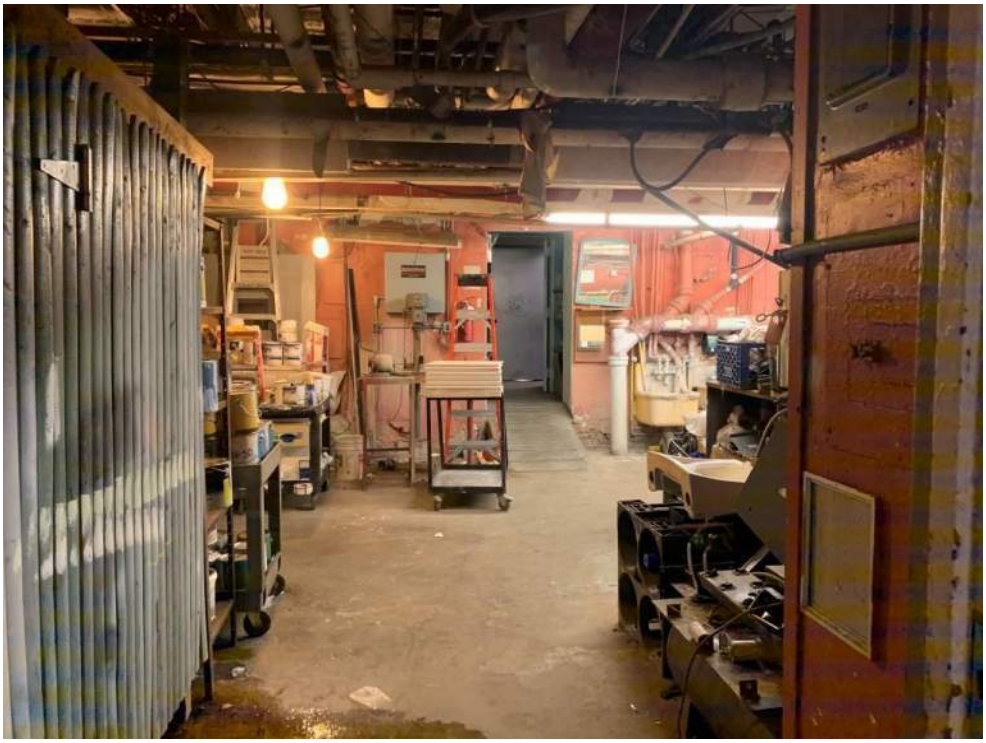
Photograph 5: View of dry acid concentrate in biomedical storage area on the third floor of the LeFrak building (facing northwest).



Photograph 6: View of plastic 55-gallon drums on the roof of the LeFrak building (facing west).



Photograph 7: View of the Blumberg and Masin buildings from courtyard (facing northeast).



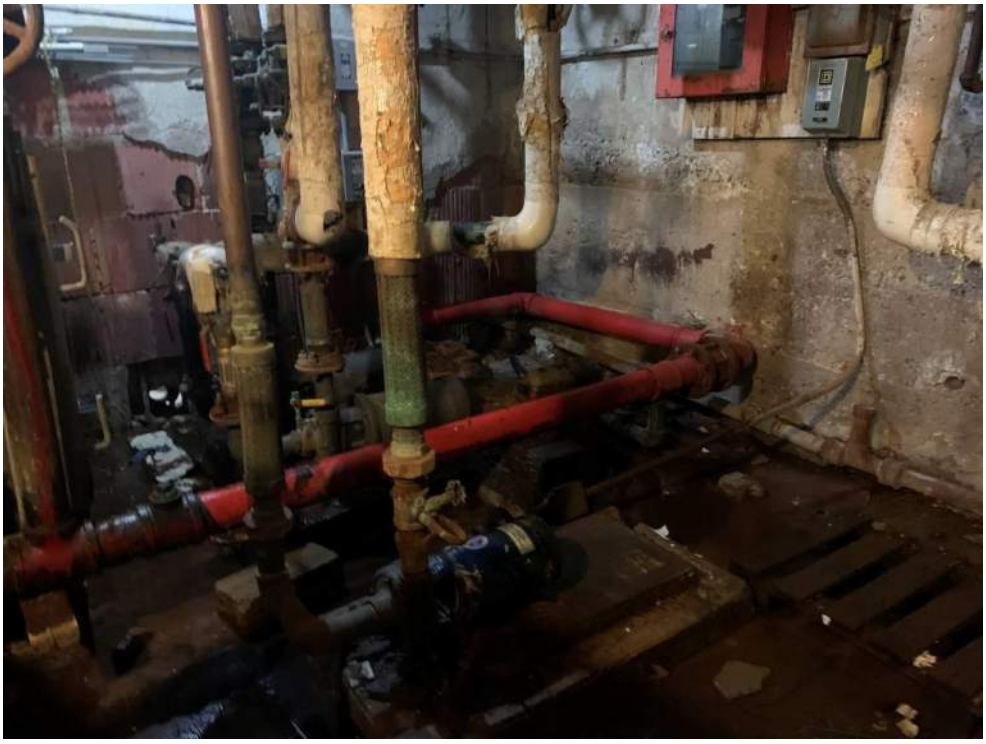
Photograph 8: General view of maintenance area in cellar of the Blumberg building (facing south).



Photograph 9: View of paint storage and floor drain in maintenance area of Blumberg building cellar (facing northeast).



Photograph 10: View of standing water in maintenance area of Blumberg building cellar (facing east).



Photograph 11: View of leaking boiler in maintenance area of Blumberg building cellar (facing northeast).



Photograph 12: View of bicarbonate tanks in dialysis water treatment room on the fifth floor of the Blumberg building (facing northeast).



Photograph 13: View of sediment filter, carbon tanks, and brine tank in dialysis room on the fifth floor of the Blumberg building (facing west).



Photograph 14: View of water tank on roof of Blumberg building (facing northeast).



Photograph 15: View of flue gas stacks and steam column from roof of Blumberg building (facing east).



Photograph 16: View of elevator motor atop concrete slab in motor room on Blumberg roof (facing northwest).



Photograph 17: View of a heating, ventilation and air conditioning (HVAC) unit between Masin and Blumberg buildings (facing east).



Photograph 18: View of entrance to the Masin building from courtyard (facing east).



Photograph 19: View of electrical power boxes in cellar of the Masin building (facing north).



Photograph 20: View of paint storage room in cellar of the Masin building (facing south).



Photograph 21: View of a dry type transformer in cellar of the Masin building (facing east).



Photograph 22: View of leaking water from boiler room and floor drain in cellar of the Masin building (facing east).



Photograph 23: View of plastic 55-gallon drum of propylene glycol in boiler room of Masin cellar (facing southeast).



Photograph 24: View of rust-stained concrete and standing water in boiler room of Masin cellar (facing northwest).



Photograph 25: View of hot water tank and standing water in boiler room of Masin cellar (facing east).



Photograph 26: View of chemical storage room on third floor of the Masin building (facing south).



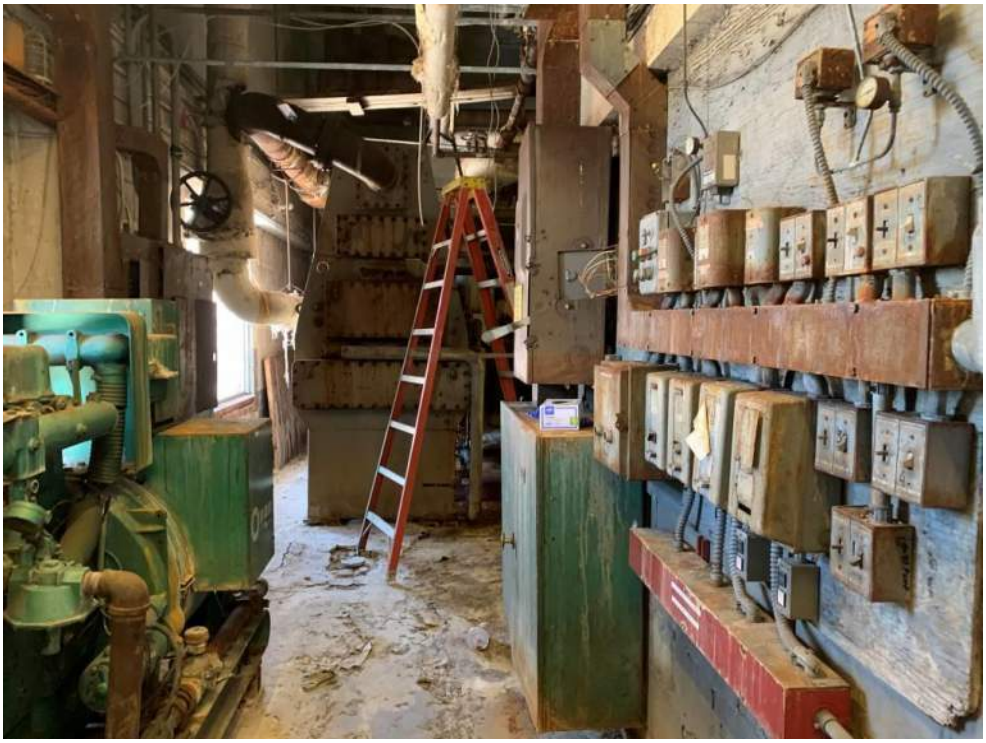
Photograph 27: View of phosphorous reagent in chemical storage room in the Masin building (facing northwest).



Photograph 28: View of biological freezers in freezer storage room on third floor of the Masin building (facing northwest).



Photograph 29: General view of biological laboratory on third floor of the Masin building (facing west).



Photograph 30: View of compressor and boiler in maintenance area on roof of the Masin building (facing north).



Photograph 31: View of hot water tank in maintenance area on roof of the Masin building (facing east).



Photograph 32: View of plastic drums with unknown contents and HVAC system in maintenance area on roof of the Masin building (facing south).



Photograph 33: View of courtyard and Leviton building from roof of the Masin building (facing west).



Photograph 34: View of sump pit in cellar of the Leviton building (facing west).



Photograph 35: View of boiler room in cellar of the Leviton building (facing southwest).



Photograph 36: View of sump in the boiler room of the Leviton cellar (facing east).



Photograph 37: View of DC Inverter air conditioning unit on the roof of the Leviton building (facing south).



Photograph 38: View of stockpiled soil in the courtyard outside of the Blumberg building (facing east).



Photograph 39: General view of northern boundary of the Subject Property (facing west).



Photograph 40: General view of southern boundary of the Subject Property (facing west).



Photograph 41: View of 40,000 gallon No. 6 Fuel Oil underground storage tank (UST) vault and fill port on southern adjoining property in courtyard (facing west).



Photograph 42: View of East 49th Street followed by eastern-adjoining parking lot (facing southeast).



Photograph 43: View of patched concrete in potential borehole locations on sidewalk near the LeFrak building entrance (facing north).



Photograph 44: View of monitoring well on western-adjoining property sidewalk located west of the LeFrak building (facing south).



Photograph 45: View of northern-adjoining residential property on Rutland Road (facing west).



Photograph 46: View of western-adjoining multi-family residential buildings on Schenectady Avenue (facing southwest).



Photograph 47: View of fill port and vent pipe along Leviton exterior from Schenectady Avenue (facing northeast).

PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

for

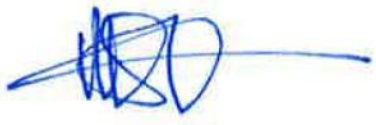
VITAL BROOKLYN – SITES E, F, G, and H
808 Rutland Road
Brooklyn, New York 11203

Prepared for:

Monadnock Development, LLC
155 3rd Street
Brooklyn, NY 11231

Prepared by:

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



Mimi S. Raygorodetsky
Principal

LANGAN

June 29, 2021
Langan Project No.: 170655401

TABLE OF CONTENTS

1.0 INTRODUCTION 1
2.0 BACKGROUND 2
2.1 Site Location and Description 2
2.2 Draft Phase I ESA Findings 2
2.3 Geology 3
2.4 Hydrogeology 3
3.0 FIELD INVESTIGATION METHODOLOGY 5
3.1 Geophysical Survey 5
3.2 Soil Investigation 5
3.3 Groundwater Investigation 6
3.4 Soil Vapor and Sub-Slab Vapor Investigation 7
3.5 Materials Management and Site Restoration 7
4.0 OBSERVATIONS AND RESULTS 9
4.1 Field Observations 9
4.2 Soil Sample Results 9
4.3 Groundwater Sample Results 11
4.4 Soil Vapor and Sub-Slab Vapor Results 11
5.0 CONCLUSIONS 13
6.0 LIMITATIONS 15

LIST OF FIGURES

Figure 1 Site Location Map
Figure 2 Sample Location Map

LIST OF TABLES

Table 1 Sample Summary
Table 2 Soil Sample Analytical Results Summary
Table 3 Groundwater Sample Analytical Results Summary
Table 4 Soil Vapor and Sub-Slab Vapor Sample Analytical Results Summary

LIST OF APPENDICES

Appendix A Geophysical Survey Report
Appendix B Soil Boring Logs
Appendix C Monitoring Well Construction and Sampling Logs
Appendix D Soil Vapor Sampling Logs
Appendix E Laboratory Analytical Reports

1.0 INTRODUCTION

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) prepared this Phase II Environmental Site Investigation (ESI) Report for Monadnock Development, LLC for the property located at 808 Rutland Road in the East Flatbush neighborhood of Brooklyn, New York (the site). The site is also known as Vital Brooklyn[1] – Sites E, F, G, and H. The purpose of the Phase II ESI was to investigate recognized environmental conditions (RECs) identified during preparation of the Draft Phase I Environmental Site Assessment (ESA), prepared by Langan and dated May 25, 2021, and to collect soil, groundwater, and soil vapor data in support of the proposed site redevelopment.

The Phase II ESI was implemented on April 21, 22, and 23, 2021. The investigation included a geophysical survey; advancement of soil borings; installation of temporary groundwater monitoring wells; installation of soil vapor and sub-slab vapor points; and collection and laboratory analysis of soil, groundwater, soil vapor and sub-slab vapor samples.

This report is organized as follows:

- Section 2.0: Background
- Section 3.0: Field Investigation Methodology
- Section 4.0: Observations and Results
- Section 5.0: Conclusions
- Section 6.0: Limitations

[1] The Vital Brooklyn Initiative is an ongoing community development program for underserved neighborhoods in Central Brooklyn. Vital Brooklyn offers a holistic approach that focused on eight integrated areas of improvement: open space and recreation; healthy food; education; economic empowerment; community-based violence prevention; community-based health care; affordable housing; and resiliency.

2.0 BACKGROUND

2.1 Site Location and Description

The site is located at 808 Rutland Road in the East Flatbush neighborhood of Brooklyn, New York and is identified on the Brooklyn Borough Tax Map as the northern portions of Lots 1 and 5 on Block 4602. The site is approximately 101,951 square feet in area and comprises the northern portion of the Kingsbrook Jewish Medical Center campus. The site is part of the Vital Brooklyn community development and wellness initiative and is known as Sites E, F, G, and H, as detailed below:

- Site E - 561 Schenectady Avenue – a four-story building (the Leviton Building) primarily used for office space and vaccine administration
- Site F - 830 Rutland Road – a mostly-vacant six-story building (the Masin Building), with the exception of ground floor offices and second and third floor laboratories, and a courtyard and a vacant security booth
- Sites G and H - 73 East 49th Street – adjoining six- and four-story buildings (the Blumberg and LeFrak Buildings, respectively) used for doctor's offices, medical equipment storage, administrative offices, and dialysis treatment

The site is bound by Rutland Road followed by a multi-story residential building and parking lot to the north, East 49th Street followed by a parking lot for the medical center (Vital Brooklyn – Site K) to the east, the southern part of the Kingsbrook Jewish Medical Center campus to the south, and Schenectady Avenue followed by multi-story residential and commercial buildings to the west. A site location map is included as Figure 1.

2.2 Draft Phase I ESA Findings

The May 25, 2021 Draft Phase I ESA identified that the LeFrak building was constructed in 1927, the Blumberg and Leviton buildings were constructed in 1933, and the Masin building was constructed in 1957 as part of the Kingsbrook Jewish Medical Center. No other historical uses, aside from dwellings and unknown storage buildings, were identified for the site.

The following RECs were identified in the Draft Phase I ESA:

1. Historical Hazardous Waste Generation at the Site: The site was listed as a Resource Conservation and Recovery Act (RCRA) Small Quantity Generator in 1991, 2003, and 2007; a Non Generator/Longer Regulated (NonGen/NLR) in 1995; and a Conditionally Exempt Small Quantity Generator in 2006 for the generation of hazardous wastes. Violations related to RCRA generator status were identified. Based on the multi-year duration of hazardous waste handling operations, record of violations, and types of waste

handled, historical releases of hazardous waste may have adversely impact soil, groundwater and/or soil vapor at the site.

2. Open Petroleum Spill Cases at Surrounding Properties: An active gasoline filling station (530 Utica Avenue – 250 feet east) and a former gasoline filling station and automotive repair facility (529 Utica Avenue – 350 feet east) are the subject of two open petroleum spill cases (New York State Department of Environmental Conservation [NYSDEC] Spill Nos. 9614292 and 9309669, respectively). Both properties are located up/cross-gradient of the site. Both spills were reported when subsurface impacts were identified during tank removals. Remedial actions were completed at both sites; however, on-going groundwater monitoring indicates concentrations of petroleum compounds in groundwater at concentrations above regulatory standards as of 2017 and 2020. Both spill cases remain open. Residual petroleum contamination from the gasoline filling stations may have adversely impacted groundwater and/or soil vapor at the site.
3. Current and Historical Uses of Adjoining and Surrounding Properties: Current and historical uses of adjoining and surrounding properties include gasoline filling stations, auto repair facilities, and car washes (circa 1969-present) and a coal power generation facility (date unknown – circa 1980). These current and historical uses of off-site properties may have adversely impacted groundwater and/or soil vapor at the site.

2.3 Geology

Based on the United States Geological Survey (USGS) "Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey" dated 1994, the bedrock formation underlying the site is part of the Hartland Formation, which generally consists of mica schist and quartz-feldspar granulite, with localized intrusions of granite and pegmatite. Geological surface features (e.g., rock outcroppings) were not observed on the site.

In soil borings advanced during this Phase II ESI, varied-colored, fine- to medium-grained sand with varying amounts of fine gravel, brick, concrete, and glass was observed immediately below the existing cover (grass) extending to about 6 to 12.5 feet below grade surface (bgs). From about 12.5 feet bgs and below, brown fine sand with varying amounts of medium sand, silt, gravel, and clay was encountered. At one boring location (SB04, see Figure 2 – Sample Location Map), a silt layer was encountered from about 12 to 22.5 feet bgs.

2.4 Hydrogeology

Groundwater flow is typically topographically influenced, as shallow groundwater tends to originate in areas of topographic highs and flows toward areas of topographic lows, such as rivers, stream valleys, ponds, and wetlands. A broader, interconnected hydrogeologic network often governs groundwater flow at depth or in the bedrock aquifer. Groundwater depth and flow

direction are also subject to hydrogeologic and anthropogenic variables such as precipitation, evaporation, extent of vegetative cover, and coverage by impervious surfaces. Other factors influencing groundwater include depth to bedrock, the presence of artificial fill, and variability in local geology and groundwater sources or sinks.

Based on groundwater measurements collected from temporary monitoring wells installed during this Phase II ESI, depth to groundwater ranged from approximately 8.57 feet bgs at TMW04 to 20.94 feet bgs at TMW05. A 10.5-foot-thick silt layer was observed starting at around 12 feet bgs in soil boring SB04. Regulatory database records for nearby properties indicate groundwater at the site is located about 23 feet bgs and is presumed to flow southwest. In addition, a January 2014 Phase I ESA for the Kingsbrook Jewish Medical Center, prepared by AKRF, Inc., included a summary of a geotechnical investigation conducted by Carlin-Simpson & Associates Consulting Engineers in a parking lot southeast of the site. The report documented that groundwater was encountered at about 23 feet bgs, and perched groundwater conditions were observed at about 10 feet bgs. Thus, the groundwater level at TMW04 likely represents a perched groundwater condition and true groundwater is likely located between about 21 and 23 feet bgs.

3.0 FIELD INVESTIGATION METHODOLOGY

On April 21, 22, and 23, 2021, Langan implemented a Phase II ESI consisting of the following activities:

- A geophysical survey to preclear sampling locations and identify a suspected exterior underground storage tank (UST)
- Advancement of six soil borings and collection and laboratory analysis of seven grab soil samples including one duplicate sample
- Installation of two temporary groundwater monitoring wells and collection and laboratory analysis of three groundwater samples including one duplicate sample
- Installation of two soil vapor probes and collection and laboratory analysis of two soil vapor samples
- Installation of one sub-slab soil vapor probe and collection and laboratory analysis of one sub-slab vapor sample

The sample locations are presented on Figure 2, and the sample summary is included in Table 1.

3.1 Geophysical Survey

NOVA Geophysical Services conducted a geophysical survey under Langan observation on April 21, 2021 using ground penetrating radar (GPR) and electromagnetic detection equipment to preclear sample locations and identify a suspected UST in the western exterior portion of the site. The geophysical survey was limited to the sample locations and an about 1,200-square-foot area outside the northwestern corner of the Leviton building. One geophysical anomaly resembling a UST was identified within the landscaped area between Schenectady Avenue and the northwestern corner of the Leviton building. A fill port and vent pipe were observed in this area during the Draft Phase I ESA site reconnaissance and the Phase II ESI. The geophysical engineering survey report is included as Appendix A.

3.2 Soil Investigation

The soil investigation included the advancement of six soil borings within the site boundary (SB01 through SB06). Lakewood Environmental Services Corp. (Lakewood) installed the borings under the observation of a Langan field professional on April 22, 2021.

Lakewood used a Geoprobe 6610DT track-mounted drill rig and a Geoprobe 420M remote access drill rig to advance borings to depths ranging from 16 to 28 feet bgs based on observed field conditions and to install temporary monitoring wells. Soil samples were collected continuously into 2-inch-diameter, 4-foot-long Macro-Core sample barrels lined with dedicated acetate sleeves.

A Langan field professional classified soil samples for soil type, grain size, texture, moisture content, visual and olfactory indications of a chemical or petroleum release (e.g., staining and odors), and performed instrumental screening for the presence of volatile organic vapors using a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. The soil boring logs are provided in Appendix B.

One soil sample was collected from each boring and one duplicate sample was collected for quality assurance/quality control (QA/QC) purposes based on observed or suspected impacts and/or to investigate RECs identified by the Draft Phase I ESA. Soil samples were collected into laboratory-supplied glassware and Terra Core sampling kits, placed in an ice-chilled cooler, and submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory (York Analytical Laboratories, Inc. [York] of Stratford, CT [ELAP ID #10854]) via courier service under standard chain-of-custody protocol. Seven soil samples were analyzed for NYSDEC Part 375 volatile organic compounds (VOC) by United States Environmental Protection Agency (USEPA) Method 8260, semivolatile organic compounds (SVOC) by USEPA Method 8270, polychlorinated biphenyls (PCB) by USEPA Method 8082, and metals by USEPA Method 6010. Two of the seven soil samples were also analyzed for pesticides by USEPA Method 8081 and herbicides by USEPA Method 8151.

Following sample collection, boreholes SB04 and SB05 were converted into temporary groundwater monitoring wells.

3.3 Groundwater Investigation

Lakewood installed two temporary monitoring wells, TMW04 and TMW05, at their respective boring locations. The monitoring wells were constructed of ten feet of one-inch-diameter Schedule 40 polyvinyl chloride (PVC) pipe with a 10-foot-long 0.010-inch slotted well screen connected to a 1-inch-diameter Schedule 40 PVC riser extending to about 12 inches above grade surface. Monitoring well screens were installed to straddle the observed water table, which was encountered between about 12 and 22 feet bgs at the locations of the temporary wells. Screened intervals are detailed in Table 1 and Appendix C.

A Langan field professional collected one groundwater sample from each temporary well and one duplicate sample for laboratory analysis. The groundwater sampling procedure was in general accordance with the NYSDEC Department of Environmental Remediation (DER)-10 and USEPA's Low-Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells. The groundwater samples were collected using a peristaltic pump with dedicated Teflon-lined polyethylene tubing. Before a groundwater sample was collected, the wells were gauged and then purged while groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential [ORP]) were monitored. At both temporary monitoring wells, monitored parameters did not stabilize during

sampling, and a sample was collected after 1 hour of purging. Monitoring well sampling logs are provided in Appendix C.

Groundwater samples were collected into pre-cleaned laboratory-supplied glassware and submitted to Alpha via courier service under standard chain-of-custody protocol. Groundwater samples were analyzed for NYSDEC Part 375 VOCs by USEPA method 8260 and SVOCs by USEPA method 8270.

3.4 Soil Vapor and Sub-Slab Vapor Investigation

Lakewood installed two soil vapor sampling points (SG01 and SG02) under the observation of a Langan field professional. The soil vapor sampling points were installed to approximate development depth or two feet above the groundwater table, whichever was shallower (about 15 feet bgs at SG01 and to about 8 feet bgs at SG02) using the track-mounted rig and consisted of a 2-inch-long polyethylene probe fitted with 3/16-inch Teflon-lined polyethylene tubing. No. 2 sand was backfilled into the borehole to about 3 to 5 feet above the probe, followed by a one-foot-thick hydrated bentonite seal, No. 2 sand to about 1 foot bgs, and a second hydrated bentonite seal to surface.

Lakewood installed one sub-slab vapor sampling point (SSSG01) in the Leviton building cellar to about 3 inches below the 0.25-foot-thick concrete building slab (about 0.5 feet bgs) using a hammer drill; the Teflon-lined tubing was set with No. 2 sand and sealed to surface with hydrated bentonite.

Soil vapor and sub-slab samples were collected in general accordance with the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH October 2006). Prior to sample collection, a minimum of 0.6 liters were purged using a MultiRAE gas monitor, calibrated for a flow rate of 0.2 liters per minute (L/min). As a QA/QC measure, an inert tracer gas (helium) test was completed to verify that the sampling points were properly sealed both before and after sampling. A proper seal was achieved at all soil vapor and sub-slab vapor sampling locations.

Soil vapor and sub-slab vapor samples were collected into laboratory-supplied batch-certified clean 6-liter Summa canisters with calibrated flow controllers over a 2-hour sampling period on April 22 and 23, 2021. Air samples were submitted to York via courier service under standard chain-of-custody protocol and analyzed for VOCs by USEPA Method TO-15. Soil vapor sampling logs are included in Appendix D.

3.5 Materials Management and Site Restoration

Non-impacted soil cuttings were returned to the borehole after sampling. Temporary monitoring well, soil vapor, and sub-slab vapor sampling points were removed from the ground after sample

collection; the sample locations were backfilled with non-impacted soil cuttings and/or clean sand and capped with hydrated bentonite.

4.0 OBSERVATIONS AND RESULTS

4.1 Field Observations

Soil borings were completed to depths ranging from 16 to 28 feet bgs. Varied-colored, fine- to medium-grained sand with varying amounts of fine gravel, brick, concrete, and glass was observed immediately below the existing cover (grass) extending to about 6 to 12.5 feet bgs. From about 12.5 feet bgs and below, brown fine sand with varying amounts of medium sand, silt, gravel, and clay was encountered. At SB04, a silt layer was encountered from about 12 to 22.5 feet bgs. Bedrock was not encountered during the investigation.

Langan observed an unidentifiable odor in a black-colored native sand interval from 15 to 16 feet bgs in SB03. No PID readings were recorded above background at any soil boring location, and no visual or olfactory evidence of impacts were identified in the remaining soil borings.

Based on groundwater measurements collected from temporary monitoring wells installed during this Phase II ESI, depth to groundwater ranged from approximately 8.57 feet bgs at TMW04 to 20.94 feet bgs at TMW05. The groundwater level at TMW04 likely represents a perched groundwater condition due to the 10.5-foot-thick silt layer at the observed starting around 12 feet bgs in boring SB04.

No odors, sheen, PID readings, or non-aqueous phase liquid (NAPL) were apparent during well gauging and sampling.

4.2 Soil Sample Results

Six soil borings were advanced and one soil sample was collected from each soil boring (plus one duplicate sample). Soil samples were analyzed for the analyses listed in Section 3.2 and shown on Table 1. The results were compared to the NYSDEC Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use (UU) and Restricted Use Restricted-Residential (RURR) Soil Cleanup Objectives (SCO). Soil sample analytical results are summarized in Table 2 and laboratory reports are included as Appendix E.

VOCs

No VOCs were detected at concentrations above the UU/RURR SCOs.

SVOCs

SVOCs were detected at concentrations above the UU and/or RURR SCOs in five of seven soil samples: SB02_0-2, SB03_14-16, SB04_2-4, SB06_1-3, and SODUP01_042221 (duplicate sample of SB06_1-3). The table below provides concentration ranges (in milligrams per kilogram [mg/kg])

of SVOCs that were detected above the UU SCOs. SVOC concentrations detected above the RURR SCOs are shown in **bold**.

Analyte	Minimum Detected Concentration Above SCO (mg/kg)	Maximum Detected Concentration Above SCO (mg/kg)	UU and RURR SCOs (mg/kg)
Benzo(a)anthracene	**1.09** in SB06_1-3	**26.8** in SB03_14-16	UU: 1 RURR: 1
Benzo(a)pyrene	**1.05** in SB06_1-3	**24.9** in SB03_14-16	UU: 1 RURR: 1
Benzo(b)fluoranthene	**1.22** in SODUP01_042221	**21.2** in SB03_14-16	UU: 1 RURR: 1
Benzo(k)fluoranthene	0.85 in SB06_1-3	**15** in SB03_14-16	UU: 0.8 RURR: 3.9
Chrysene	1.11 in SB06_1-3	**23.3** in SB03_14-16	UU: 1 RURR: 3.9
Dibenz(a,h)anthracene	**0.367** in SODUP01_042221	**5.39** in SB03_14-16	UU: 0.33 RURR: 0.33
Indeno(1,2,3-cd)pyrene	**0.579** in SB02_0-2	**14.9** in SB03_14-16	UU: 0.5 RURR: 0.5

Pesticides

Five pesticides (4,4'-DDD, 4,4'-DDE, 4-4'-DDT, alpha chlordane, and dieldrin) were detected above the UU SCOs but below the RURR SCOs in sample SB01_0-2. No pesticides were detected in sample SB02_0-2 (no other samples analyzed for pesticides).

Herbicides and PCBs

Herbicides and PCBs were not detected in samples in which they were analyzed.

Metals

Metals were detected at concentrations above the UU and/or RURR SCOs in six of seven soil samples: SB01_0-2, SB02_0-2, SB04_2-4, SB05_10-12, SB06_1-3, and SODUP01_042221 (duplicate sample of SB06_1-3). The table below provides concentration ranges of metals that

were detected above the UU SCOs. Metals concentrations detected above the RURR SCOs are shown in **bold**.

Analyte	Minimum Detected Concentration Above SCO (mg/kg)	Maximum Detected Concentration Above SCO (mg/kg)	UU and RURR SCOs (mg/kg)
Arsenic	**16.1** in SB04_2-4		UU: 13 RURR: 16
Copper	58.1 in SB06_1-3	**288** in SB04_2-4	UU: 50 RURR: 270
Lead	77.8 in SODUP01_042221	**6,570** in SB04_2-4	UU: 63 RURR: 400
Mercury	0.229 in SB06_1-3	**1.78** in SB02_0-2	UU: 0.18 RURR: 0.81
Nickel	36.3 in SB02_0-2		UU: 30 RURR: 310
Zinc	123 in SB01_0-2	1,020 in SB04_2-4	UU: 109 RURR: 10,000

4.3 Groundwater Sample Results

Three groundwater samples, including one duplicate sample, were collected and analytical results were compared to the NYSDEC Title 6 NYCRR Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs"). Groundwater sample analytical results are summarized in Table 3 and laboratory reports are included as Appendix E.

VOCs

VOCs were not detected above the NYSDEC SGVs.

SVOCs

Six SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3)pyrene) were detected above their respective NYSDEC SGVs in groundwater sample TMW04_042221. No SVOCs were detected in the other groundwater sample.

4.4 Soil Vapor and Sub-Slab Vapor Results

The soil vapor and sub-slab vapor analytical results summary is presented in Table 4 and laboratory reports are included as Appendix E.

Soil Vapor

Two soil vapor samples, SG01_042221 and SG02_042321, were collected on April 22 and 23, 2021, respectively. Soil vapor results were compared to the minimum soil vapor concentrations at which mitigation is recommended in the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017) (herein referred to as "NYSDOH Decision Matrices"). Concentrations were not detected above the minimum concentrations at which mitigation is recommended in the NYSDOH Decision Matrices. Total VOCs ranged from 563 micrograms per cubic meter (µg/m^3) in SG02_042321 to 915 µg/m^3 in SG01_042321, and total benzene, toluene, ethylbenzene, and xylenes (BTEX) ranged from 52.1 µg/m^3 in SG02_042321 to 99 µg/m^3 in SG01_042321.

Sub-Slab Vapor

One sub-slab vapor sample (SSSG01_042221) was collected on April 22, 2021. Sub-slab vapor sample results were compared to the minimum concentration for which monitoring or mitigation is recommended in the NYSDOH Decision Matrices. Concentrations were not detected above the minimum concentrations at which mitigation is recommended in the NYSDOH Decision Matrices. The total VOC concentration was 228 µg/m^3 and the total BTEX concentration was 82.6 µg/m^3.

5.0 CONCLUSIONS

The Phase II ESI was successful in investigating the RECs identified in the May 25, 2021 Draft Phase I ESA and in generating a limited soil, groundwater, and soil vapor dataset in support of the proposed site redevelopment. Based on review of the Phase II ESI results, we conclude the following:

- Stratigraphy: The subsurface consists of varied-colored, fine- to medium-grained sand with varying amounts of fine gravel, brick, concrete, and glass immediately below the existing cover (grass) extending to about 6 to 12.5 feet bgs. From about 12.5 feet bgs and below, brown fine sand with varying amounts of medium sand, silt, gravel, and clay was encountered. At boring SB04, a silt layer was from about 12 to 22.5 feet bgs. Bedrock was not encountered.
- Hydrogeology: Groundwater was encountered at depths ranging from approximately 8.57 feet bgs at TMW04 to 20.94 feet bgs at TMW05. The groundwater level at TMW04 likely represents a perched groundwater condition due to a 10.5-foot-thick silt layer starting at about 12 feet bgs in boring SB04.
- Geophysical Engineering Survey: One geophysical anomaly resembling a UST was identified within the landscaped area between Schenectady Avenue and the northwestern corner of the Leviton building. Soil boring and temporary monitoring well location SB05/TMW05 was advanced south-adjacent to the anomaly and no indications of a release (based on visual, olfactory, and instrumental screening and analytical results) were identified.
- Soil Analytical Results:
    - Soil contains contaminants including SVOCs, pesticides, and metals exceeding the UU and/or RURR SCOs.
    - The detected SVOCs in SB03_14-16 may be related to an unknown contaminant source, as an unidentifiable odor and black-colored sand were observed in the soil boring at this depth.
    - The pesticides exceeding the UU SCOs in sample SB01_0-2 are likely attributed to pesticide application on landscaped areas of the site.
- Groundwater Analytical Results:
    - Groundwater contains SVOCs at concentrations exceeding the NYSDEC SGVs in TMW04. The presence of SVOCs is attributed to entrained sediments in the groundwater samples derived from soil. No VOCs or SVOCs were detected at concentrations exceeding the NYSDEC SGVs in TMW05 or its duplicate sample.

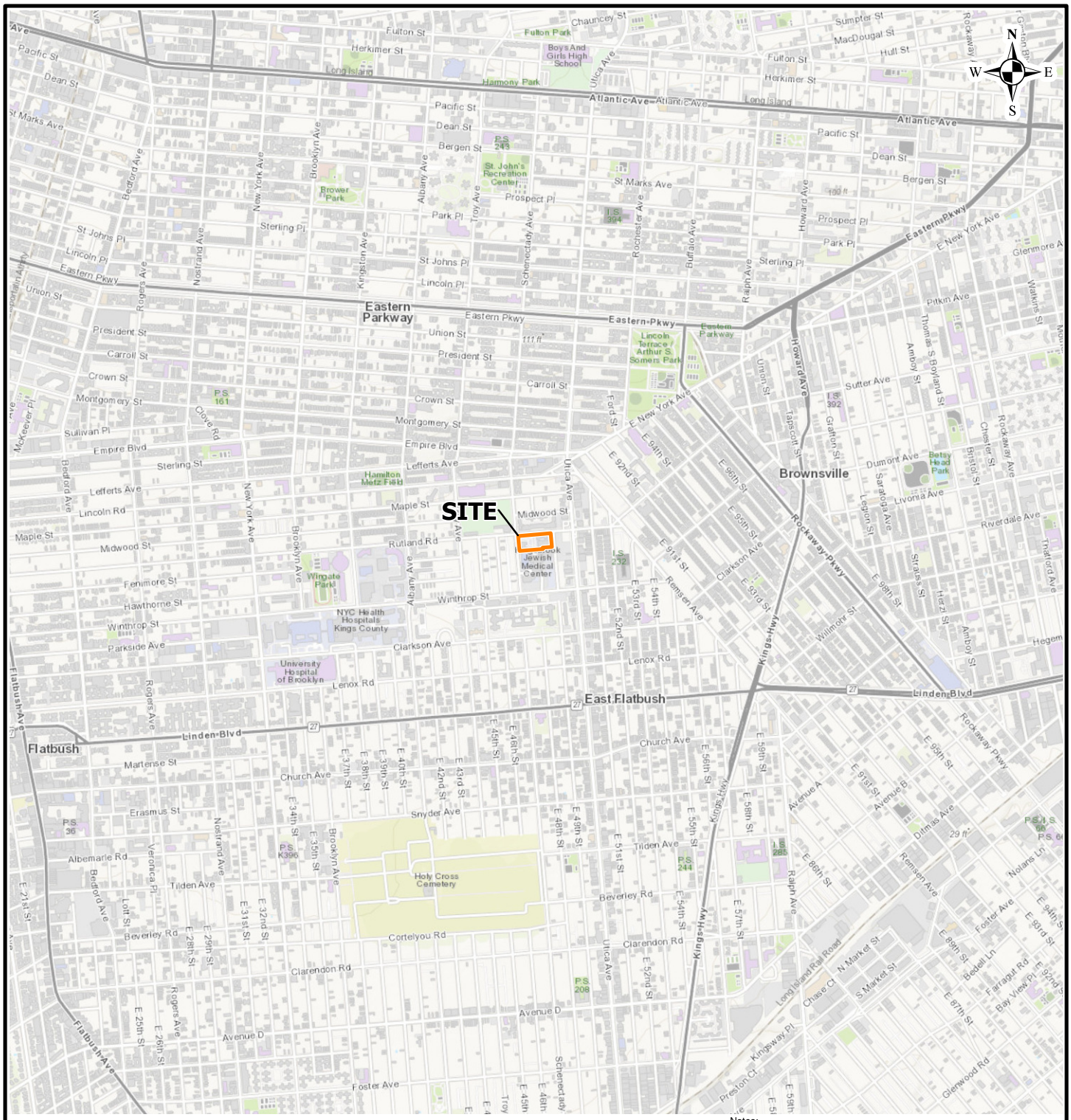
- Soil Vapor and Sub-Slab Vapor Analytical Results:
    - Soil vapor and sub-slab vapor concentrations were not detected above the minimum concentrations at which mitigation is recommended in the NYSDOH Decision Matrices.

6.0 LIMITATIONS

This Phase II ESI Report was prepared expressly for Monadnock Development, LLC for Vital Brooklyn – Sites E, F, G, and H (808 Rutland Road), Brooklyn, New York and for the objectives defined herein. Langan cannot assume responsibility for the use of this report for any property other than the specific site addressed in this report, or by any third party without specific written authorization from Langan.

The conclusions, opinions, and recommendations provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples. Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others. Actual conditions encountered may differ substantially from those presented herein and should be brought to our attention whereby we may determine how such changes may affect our conclusions, opinions and recommendations.

FIGURES



LANGAN

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

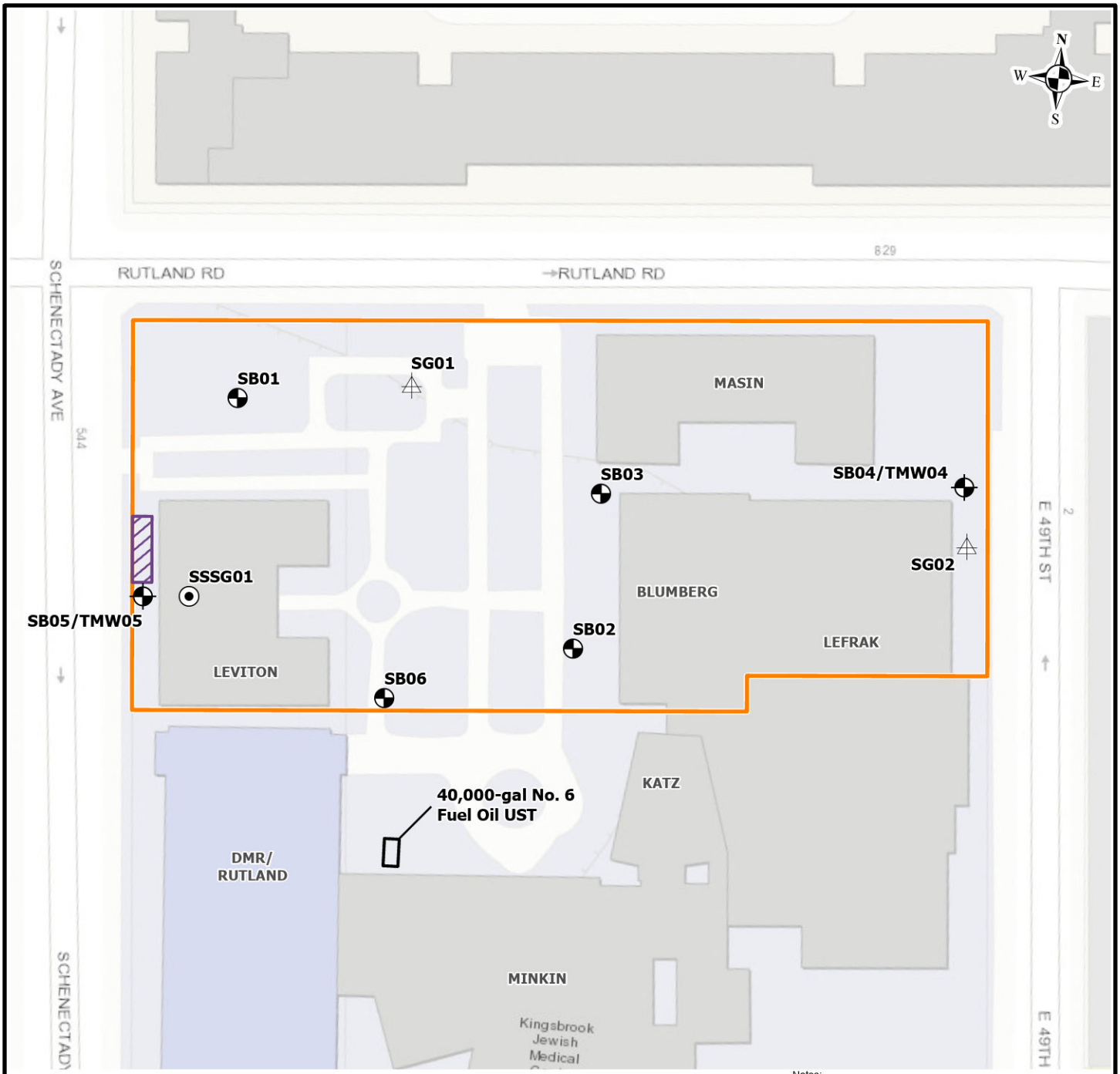
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001-2727

T: 212.479.5400 F: 212.479.5444 www.langan.com

Project	VITAL BROOKLYN - SITES EFGH BROOKLYN KINGS COUNTY NEW YORK
Figure Title	SITE LOCATION MAP
Project No.	170655401
Date	5/14/2021
Scale	1 " = 2,000 '
Drawn By	NB
Figure	1

© 2021 Langan

Path: \\langan.com\data\NYC\data4\170655401\Project Data\ArcGIS\APRX\170655401\170655401.aprx



Legend

- Approximate Collocated Soil Boring and Temporary Monitoring Well Location
- Approximate Soil Boring Location
- Approximate Soil Vapor Sample Location
- Approximate Sub-Slab Soil Vapor Sample Location
- Approximate Location of Geophysical Anomaly (UST)
- Approximate Site Boundary

Notes:
1. Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online, National Geographic Society, i-cubed.
2. Site boundary is based on the 2020 New York GIS parcel dataset, all features shown are approximate.
3. Approximate geophysical anomaly digitized from "Survey Plan" conducted by NOVA Geophysical Services, dated 4/21/2021.
4. UST = Underground Storage Tank
5. During the 2021 Phase I Environmental Site Assessment (ESA) site reconnaissance, the project manager of Kingsbrook Jewish Medical Center indicated that the 40,000-gallon No. 6 fuel oil UST is no longer in use. However, the contents have not been removed and the tank has not been formally closed.

80 0 80
SCALE IN FEET

LANGAN
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001-2727
T: 212.479.5400 F: 212.479.5444 www.langan.com

Project
VITAL BROOKYLN - SITES EFGH
BROOKLYN
KINGS COUNTY NEW YORK

Figure Title
SAMPLE LOCATION MAP

Project No.	170655401
Date	5/24/2021
Scale	1 " = 80 '
Drawn By	NB

Figure 2

© 2021 Langan

Path: \\langan.com\data\NYC\data4\170655401\Project Data\ArcGIS\APRX\170655401\170655401.aprx

TABLES

Table 1
Phase II Environmental Site Investigation Report
Sample Summary

Vital Brooklyn - Sites EFGH
Brooklyn, New York
Langan Project No.: 170655401

Sample Location	Sample ID	Sample Depth/ Screened Interval (feet bgs)	Sample Date	Analyses
SOIL SAMPLES				
SB01	SB01_0-2	0-2	4/22/2021	Part 375/TCL VOCs, SVOCs, Pesticides, Herbicides, PCBs, Part 375/TAL Metals
SB02	SB02_0-2	0-2	4/22/2021	Part 375/TCL VOCs, SVOCs, Pesticides, Herbicides, PCBs, Part 375/TAL Metals
SB03	SB03_14-16	14-16	4/22/2021	Part 375/TCL VOCs, SVOCs, PCBs, Part 375/TAL Metals
SB04	SB04_2-4	2-4	4/22/2021	Part 375/TCL VOCs, SVOCs, PCBs, Part 375/TAL Metals
SB05	SB05_10-12	10-12	4/22/2021	Part 375/TCL VOCs, SVOCs, PCBs, Part 375/TAL Metals
SB06	SB06_1-3	1-3	4/22/2021	Part 375/TCL VOCs, SVOCs, PCBs, Part 375/TAL Metals
	SODUP01_042221	1-3	4/22/2021	Part 375/TCL VOCs, SVOCs, PCBs, Part 375/TAL Metals
GROUNDWATER SAMPLES				
TMW04	TMW04_042221	12-22	4/22/2021	Part 375/TCL VOCs and SVOCs
TMW05	TMW05_042221	18-28	4/22/2021	
	GWDUP01_042221	18-28	4/22/2021	
SOIL VAPOR SAMPLES (EXTERIOR)				
SG01	SG01_042221	15	4/22/2021	TO-15 VOCs
SG02	SG02_042321	8	4/23/2021	TO-15 VOCs
SUB-SLAB SOIL VAPOR SAMPLE (INTERIOR)				
SSSG-01	SSSG01_042221	0.5	4/22/2021	TO-15 VOCs

Notes:
1. Part 375 = New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375
2. TCL = Target Compound List
3. TAL = Target Analyte List
4. bgs = below grade surface
5. PCBs = polychlorinated biphenyls
6. VOCs = Volatile Organic Compounds
7. SVOCs = Semivolatile Organic Compounds
8. TO-15 = Compendium Method TO-15 used to determine toxic organic compounds in soil vapor, indoor air, and ambient air samples

Table 2
Phase II Environmental Site Investigation Report
Soil Sample Analytical Results Summary

Vital Brooklyn - Sites EFGH
Brooklyn, New York
Langan Project No.: 170655401

Location	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	SB01		SB02		SB03		SB04		SB05		SB06		SB06	
Sample ID			SB01_0-2		SB02_0-2		SB03_14-16		SB04_2-4		SB05_10-12		SB06_1-3		SODUP01_042221	
Laboratory ID			21D1065-01		21D1065-03		21D1065-06		21D1065-07		21D1065-09		21D1065-11		21D1065-13	
Sample Date			4/22/2021		4/22/2021		4/22/2021		4/22/2021		4/22/2021		4/22/2021		4/22/2021	
Sample Depth (feet bgs)			0-2		0-2		14-16		2-4		10-12		1-3		1-3	
Volatile Organic Compounds (mg/kg)																
Acetone	0.05	100	0.0056	U	0.01		0.011		0.0047	U	0.0071	J	0.005	U	0.0042	U
Methyl Acetate	~	~	0.0028	U	0.038		0.0037		0.0023	U	0.013		0.0025	U	0.0021	U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0028	U	0.0024	U	0.004		0.0023	U	0.0025	U	0.0025	U	0.0021	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	~	~	0.0028	U	0.0024	U	0.0017	J	0.0023	U	0.0025	U	0.0025	U	0.0021	U
Toluene	0.7	100	0.0028	U	0.0024	U	0.0019	J	0.0023	U	0.0025	U	0.0025	U	0.0021	U
Total BTEX	~	~	ND		ND		0.0019		ND		ND		ND		ND	
Total VOCs	~	~	ND		0.048		0.0223		ND		0.0201		ND		ND	
Semivolatile Organic Compounds (mg/kg)																
2-Methylnaphthalene	~	~	0.0466	U	0.0455	U	0.468	D	0.434	D	0.0463	U	0.0805	JD	0.0792	JD
4-Nitroaniline	~	~	0.0929	U	0.0907	U	0.094	U	0.979	D	0.0924	U	0.0883	U	0.0869	U
Acenaphthene	20	100	0.0466	U	0.0455	U	4.93	D	0.852	D	0.0463	U	0.198	D	0.198	D
Acenaphthylene	100	100	0.0466	U	0.115	D	0.216	D	0.267	D	0.0463	U	0.0819	JD	0.135	D
Anthracene	100	100	0.0929	D	0.186	D	19.9	D	4.35	D	0.0657	JD	0.489	D	0.537	D
Benzo(a)anthracene	1	1	0.309	D	0.753	D	**26.8**	D	**6.92**	D	0.192	D	**1.09**	D	**1.43**	D
Benzo(a)pyrene	1	1	0.312	D	0.806	D	**24.9**	D	**6.11**	D	0.189	D	**1.05**	D	**1.42**	D
Benzo(b)fluoranthene	1	1	0.265	D	0.661	D	**21.2**	D	**5.12**	D	0.15	D	0.874	D	**1.22**	D
Benzo(g,h,i)Perylene	100	100	0.213	D	0.637	D	14.9	D	4.08	D	0.134	D	0.731	D	1.04	D
Benzo(k)fluoranthene	0.8	3.9	0.268	D	0.654	D	**15**	D	**4.69**	D	0.155	D	**0.85**	D	**1.19**	D
Benzyl Butyl Phthalate	~	~	0.0466	U	0.0455	U	0.0471	U	0.045	U	0.304	D	0.0443	U	0.0436	U
Biphenyl (Diphenyl)	~	~	0.0466	U	0.0455	U	0.31	D	0.183	D	0.0463	U	0.0443	U	0.0436	U
Bis(2-ethylhexyl) phthalate	~	~	0.128	D	0.0455	U	0.0471	U	0.045	U	0.085	JD	0.0443	U	0.0436	U
Carbazole	~	~	0.0466	U	0.0455	U	4.47	D	1.37	D	0.0463	U	0.204	D	0.299	D
Chrysene	1	3.9	0.313	D	0.791	D	**23.3**	D	**6.29**	D	0.177	D	**1.11**	D	**1.4**	D
Dibenz(a,h)anthracene	0.33	0.33	0.0617	JD	0.189	D	**5.39**	D	**1.35**	D	0.0463	U	0.24	D	**0.367**	D
Dibenzofuran	7	59	0.0466	U	0.0455	U	5.06	D	1.38	D	0.0463	U	0.114	D	0.146	D
Fluoranthene	100	100	0.612	D	1.18	D	81.6	D	19.8	D	0.346	D	2.31	D	2.75	D
Fluorene	30	100	0.0466	U	0.0455	U	7.18	D	0.821	D	0.0463	U	0.204	D	0.201	D
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.218	D	**0.579**	D	**14.9**	D	**4.06**	D	0.133	D	**0.686**	D	**1.05**	D
Naphthalene	12	100	0.0466	U	0.0455	U	0.357	D	0.574	D	0.0463	U	0.0819	JD	0.136	D
Phenanthrene	100	100	0.348	D	0.605	D	79	D	20.5	D	0.264	D	2.04	D	2.2	D
Pyrene	100	100	0.551	D	1.31	D	65	D	15	D	0.295	D	2.09	D	2.5	D
Pesticides (mg/kg)																
4,4'-DDD	0.0033	13	**0.0133**	D	0.00181	U	NA		NA		NA		NA		NA	
4,4'-DDE	0.0033	8.9	**0.0535**	D	0.00181	U	NA		NA		NA		NA		NA	
4,4'-DDT	0.0033	7.9	**0.0392**	D	0.00181	U	NA		NA		NA		NA		NA	
Alpha Chlordane	0.094	4.2	**0.163**	D	0.00181	U	NA		NA		NA		NA		NA	
Chlordane (alpha and gamma)	~	~	0.597	D	0.0363	U	NA		NA		NA		NA		NA	
Dieldrin	0.005	0.2	**0.00981**	D	0.00181	U	NA		NA		NA		NA		NA	
Gamma-Chlordane	~	~	0.059	D	0.00181	U	NA		NA		NA		NA		NA	
Herbicides (mg/kg)	~	~	ND		ND		NA		NA		NA		NA		NA	
Polychlorinated Biphenyls (mg/kg)	~	~	ND		ND		ND		ND		ND		ND		ND	
Inorganics (mg/kg)																
Aluminum	~	~	8,430		8,130		10,800		5,140		5,330		4,810		4,450	
Antimony	~	~	2.83	U	2.76	U	2.87	U	63.2		2.82	U	2.69	U	2.65	U
Arsenic	13	16	6.84		5		1.72	U	**16.1**		4.82		9.1		3.78	
Barium	350	400	70.2		165		45		319		45.7		112		64.9	
Cadmium	2.5	4.3	0.647		0.514		0.344	U	2.46		0.338	U	0.448		0.318	U
Calcium	~	~	2,770	B	48,500	B	2,800	B	8,880	B	4,000	B	9,210	B	3,660	B
Chromium, Total	30	180	21.1		14.5		17.6		13.7		16.9		11.4		10.6	
Cobalt	~	~	4.67		6.02		7.41		6.83		4.62		4.95		4.45	
Copper	50	270	37.3		**78.7**		14.1		**288**		25		**58.1**		41.5	
Iron	~	~	12,300		15,300		20,300		65,500		11,400		16,200		13,700	
Lead	63	400	**160**		**167**		21.6		**6,570**		**78.9**		**142**		**77.8**	
Magnesium	~	~	1,930		3,260		3,120		2,020		1,710		5,490		2,530	
Manganese	1,600	2,000	181		328		185		462		232		185		209	
Mercury	0.18	0.81	**0.498**		**1.78**		0.0983		**0.943**		0.162		**0.229**		0.129	
Nickel	30	310	17.8		**36.3**		13.6		19.7		15.3		16.5		11.8	
Potassium	~	~	671		971		2,720		945		875		509		735	
Sodium	~	~	56.6	U	172		78.5		137		124		115		81	
Vanadium	~	~	37.7		24.1		26.7		17.9		21.5		20.5		18.9	
Zinc	109	10,000	**123**		**245**		35.9		**1,020**		92.2		**154**		75.7	
General Chemistry (%)																
Solids, Percent	~	~	88.3		90.4		87.2		91.3		88.8		92.9		94.4	

Notes provided on Page 2.
Concentrations above Unrestricted Use SCOs are bolded.
Concentrations above Restricted Use Restricted-Residential SCOs are shaded.

Table 2
Phase II Environmental Site Investigation Report
Soil Sample Analytical Results Summary

Vital Brooklyn - Sites EFGH
Brooklyn, New York
Langan Project No.: 170655401

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Criterion comparisons for total chromium are provided for reference. Promulgated SCOs shown are for trivalent chromium.
3. Only detected analytes are shown in the table.
4. Detected analytical results above Unrestricted Use SCOs are bolded.
5. Detected analytical results above Restricted Use Restricted-Residential SCOs are shaded.
6. Sample SODUP01_042221 is a duplicate sample of SB06_1-3.
7. ~ = Regulatory limit for this analyte does not exist
8. bgs = below grade surface
9. mg/kg = milligrams per kilogram
10. % = percent
11. NA = Not analyzed
12. ND = Not detected
13. Total BTEX = sum of detected concentrations of benzene, toluene, ethylbenzene, and total xylenes
14. Total VOCs = sum of detected volatile organic compounds (VOC)

Qualifiers:
D = The concentration reported is a result of a diluted sample.
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
B = The analyte was found in the associated analysis batch blank.

Table 3
Phase II Environmental Site Investigation Report
Groundwater Sample Analytical Results Summary

Vital Brooklyn - Sites EFGH
Brooklyn, New York
Langan Project No.: 170655401

Location		TMW04		TMW05		TMW05	
Sample ID	NYSDEC	TMW04_042221		TMW05_042221		GWDUP01_042221	
Laboratory ID	SGVs	21D1068-02		21D1068-01		21D1068-03	
Sample Date		4/22/2021		4/22/2021		4/22/2021	
Volatile Organic Compounds (µg/L)							
Acetone	50	1.9	J	1	U	1	U
Chloroform	7	3.48		0.2	U	0.2	U
Tetrachloroethene (PCE)	5	0.2	U	0.21	J	0.21	J
Total BTEX	~	ND		ND		ND	
Total VOCs	~	5.38		0.21		0.21	
Semivolatile Organic Compounds (µg/L)							
Acenaphthene	20	0.149		0.0513	U	0.0526	U
Anthracene	50	0.126		0.0513	U	0.0526	U
Benzo(a)anthracene	0.002	**0.183**		*0.0513*	U	*0.0526*	U
Benzo(a)pyrene	0	**0.217**		*0.0513*	U	*0.0526*	U
Benzo(b)fluoranthene	0.002	**0.171**		*0.0513*	U	*0.0526*	U
Benzo(g,h,i)Perylene	~	0.149		0.0513	U	0.0526	U
Benzo(k)fluoranthene	0.002	**0.183**		*0.0513*	U	*0.0526*	U
Chrysene	0.002	**0.206**		*0.0513*	U	*0.0526*	U
Fluoranthene	50	0.537		0.0513	U	0.0526	U
Fluorene	50	0.0571		0.0513	U	0.0526	U
Indeno(1,2,3-cd)pyrene	0.002	**0.126**		*0.0513*	U	*0.0526*	U
Naphthalene	10	0.137		0.0513	U	0.0526	U
Phenanthrene	50	0.549		0.0513	U	0.0526	U
Pyrene	50	0.423		0.0513	U	0.0526	U

Notes:
1. Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").
2. Only detected analytes are shown
in the table.
3. Detected analytical results above NYSDEC SGVs are bolded and shaded.
4. Analytical results with reporting limits (RL) above NYSDEC SGVs are italicized.
5. Sample GWDUP01_042221 is a duplicate sample of TMW05_042221.
6. ~ = Regulatory limit for this analyte does not exist
7. µg/L = micrograms per liter
8. ND = Not detected
9. Total BTEX = sum of detected concentrations of benzene, toluene, ethylbenzene, and total xylenes
10. Total VOCs = sum of detected volatile organic compounds (VOC)

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 4
Phase II Environmental Site Investigation Report
Soil Vapor and Sub-Slab Vapor Sample Analytical Results Summary

Vital Brooklyn - Sites EFGH
Brooklyn, New York
Langan Project No.: 170655401

Location		SG01		SG02		SSSG01	
Sample ID	NYSDOH Decision	SG01_042221		SG02_042321		SSSG01_042221	
Laboratory ID	Matrices Minimum	21D1067-01		21D1144-01		21D1067-02	
Sample Date	Concentrations	4/22/2021		4/23/2021		4/22/2021	
Sample Type		SV		SV		SSV	
Volatile Organic Compounds (µg/m³)							
1,1,1-Trichloroethane	100	4.1	U	0.88	U	1.5	D
1,1-Dichloroethene	6	0.88	D	0.16	U	0.16	U
1,2,4-Trimethylbenzene	~	6.6	D	7.4	D	15	D
1,3,5-Trimethylbenzene (Mesitylene)	~	3.7	U	1.8	D	3.3	D
1,3-Butadiene	~	36	D	1.8	D	1.1	U
4-Ethyltoluene	~	11	D	10	D	17	D
Acetone	~	21	D	15	D	6.6	D
Benzene	~	11	D	6.4	D	0.58	D
Carbon Disulfide	~	3.9	D	1.5	D	0.52	U
Carbon Tetrachloride	6	1.2	U	0.71	D	0.42	D
Chloroform	~	3.6	U	160	D	11	D
Chloromethane	~	1.5	U	0.33	U	0.51	D
Cyclohexane	~	6.1	D	9.3	D	13	D
Dichlorodifluoromethane	~	3.7	U	1.9	D	2.2	D
Ethylbenzene	~	11	D	5.5	D	12	D
Isopropanol	~	3.7	U	2.8	D	7.4	D
M,P-Xylene	~	32	D	19	D	43	D
Methyl Ethyl Ketone (2-Butanone)	~	5.9	D	2.2	D	1.3	D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	~	3	U	0.66	U	0.95	D
Methyl Methacrylate	~	3	U	7.2	D	1.6	D
Methylene Chloride	100	22	D	26	D	5.9	D
n-Heptane	~	16	D	96	D	1.2	D
n-Hexane	~	31	D	110	D	0.82	D
o-Xylene (1,2-Dimethylbenzene)	~	10	D	6.2	D	13	D
Propylene	~	610	D	0.28	U	3.2	D
Styrene	~	3.2	D	2.3	D	3	D
Tetrachloroethene (PCE)	100	42	D	53	D	47	D
Tetrahydrofuran	~	4.4	U	0.96	U	1.2	D
Toluene	~	35	D	15	D	14	D
Trichloroethene (TCE)	6	1	U	0.52	D	0.22	U
Trichlorofluoromethane	~	4.2	U	1.2	D	1.4	D
Total BTEX	~	99		52.1		82.6	
Total VOCs	~	915		563		228	

Notes:
1. Soil vapor and sub-slab vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).
2. Only detected analytes are shown in the table.
3. ~ = Regulatory limit for this analyte does not exist
4. µg/m³ = micrograms per cubic meter
5. SV = Soil Vapor
6. SSV = Sub-slab Soil Vapor
7. Total BTEX = sum of detected concentrations of benzene, toluene, ethylbenzene, and total xylenes
8. Total VOCs = sum of detected volatile organic compounds (VOC)

Qualifiers:
D = The concentration reported is a result of a diluted sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the Reporting Limit (RL); the value shown in the table is the RL.

APPENDIX A

Geophysical Survey Report

GEOPHYSICAL ENGINEERING SURVEY REPORT

Kingsbrook Jewish Medical Center
585 Schenectady Avenue,
Brooklyn, New York 11203

NOVA PROJECT NUMBER:
21-2220

DATED:
April 27, 2021

PREPARED FOR:

LANGAN

21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001-2727

PREPARED BY:

NOVA
GEOPHYSICAL
ENGINEERING
Subsurface Mapping Solutions
56-01 Marathon Parkway # 765
Douglaston, New York 11362
347-556-7787 (PHONE)
718-261-1527(FAX)
www.nova-gsi.com

NOVA GEOPHYSICAL SERVICES

SUBSURFACE MAPPING SOLUTIONS
56-01 Marathon Parkway #765, Douglaston, New York 11362
Ph. 347-556-7787 Fax. 718-261-1527
www.novagsi.com

April 27, 2021

Paul McMahon, P.E.
Senior Project Manager
LANGAN
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001-2727
P: 212.479.5451| E: pmcmahon@langan.com

Re: Geophysical Engineering Survey (GES) Report
Kingsbrook Jewish Medical Center
585 Schenectady Avenue,
Brooklyn, New York 11203

Dear Mr. McMahon,

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 585 Schenectady Avenue, Brooklyn, New York 11203 (the "Site").

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks and other substructures within the vicinity of proposed boring locations on April 21st, 2021.

The equipment selected for this investigation was a GSSI UtilityScan 350 MHz ground penetrating radar (GPR) with a shielded antenna and a Radio Detection RD7100 Electromagnetic utility locator.

A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 350 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

A typical electromagnetic (EM) utility locating system consists of a transmitter unit and a receiver unit. The receiver unit can be used independently of the transmitter unit in order to detect utility lines with an inherent EM signature (electric utility lines, water lines, etc.). If needed a current at a specific frequency can also be placed on a utility that is being located. This can be done via the transmitter unit by either direct connection or induction via an EM field varying at specific frequency. The receiver unit is then set to the selected frequency and the electromagnetic field created by the current running through the utility can be located allowing the utility to be marked.

GEOPHYSICAL METHODS

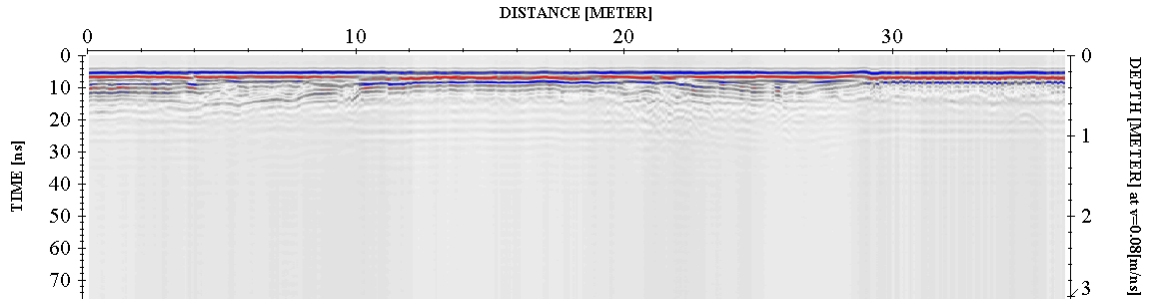
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

EM data was collected and interpreted on site and suspected utilities marked as needed. GPR data profiles were collected for the areas of the Site specified by the client and processed as specified below.

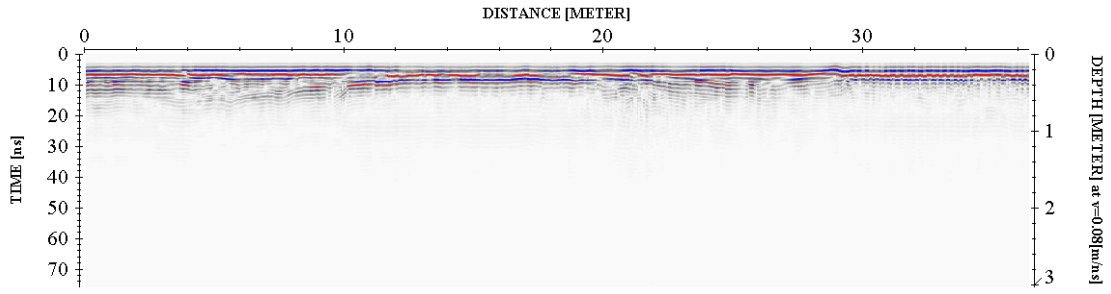
DATA PROCESSING

In order to improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing work flow is briefly described in this section.

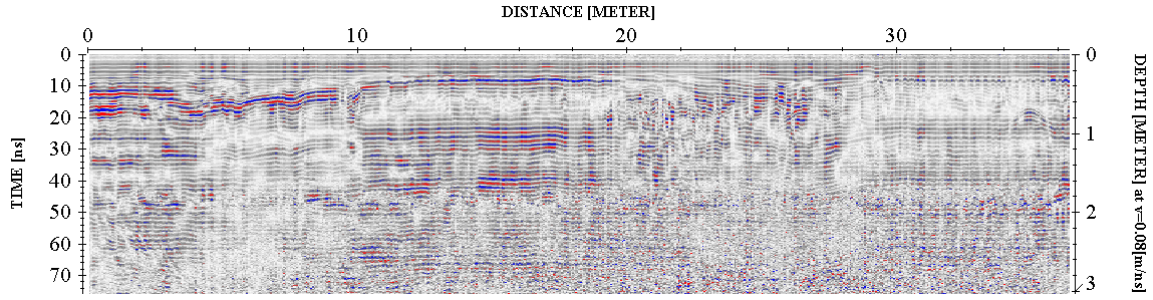
Step 1. Import Raw RAMAC data to standard processing format



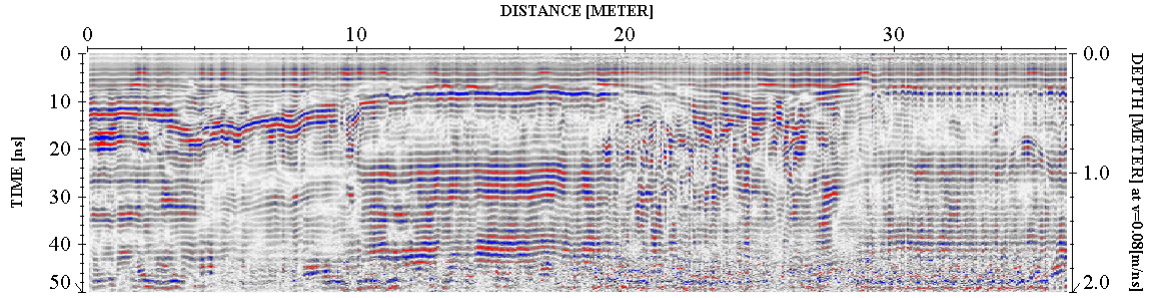
Step 2. Remove instrument noise *(dewow)*



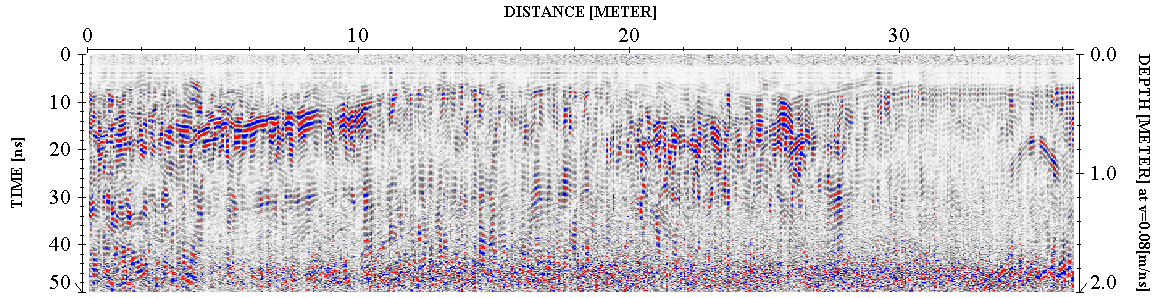
Step 3. Correct for attenuation losses *(energy decay function)*



Step 4. Remove static from bottom of profile *(time cut)*



Step 5. Mute horizontal ringing/noise *(subtracting average)*



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and represents the subsurface anomalies much more accurately.

PHYSICAL SETTINGS

NOVA observed the following physical conditions at the time of the survey.

Weather: Partly Cloudy, Rain

Temperature: 55° F

Surface: Concrete, Asphalt, Vegetation

Survey Parameters: A GPR grid scan was conducted in the vicinity of proposed boring locations, as shown in the survey plan. The approximate line spacing of the grid survey was approximately 2'-3'. Additional GPR lines were collected in the vicinity of features of interest. An EM utility locator was used in conjunction with the GPR throughout the surveyed areas.

Limitations: The geophysical noise level (GNL) was high at the site. The noise was a result of the site being in an urban environment and other anthropogenic noise sources.

RESULTS

The results of the geophysical engineering survey (GES) identified the following at the project site:

- Anomalies resembling potential subsurface utilities (such as electric and water) were identified during the GES. Additional anomalies resembling potential subsurface utilities were identified but could not be associated with known utilities at the time of the GES. The approximate locations are shown in the survey plan.
- A large geophysical anomaly resembling a potential underground storage tank (UST) was identified during the GES.
- All detected subsurface anomalies were marked in the onsite mark out.
- All cleared boring locations are shown in the survey plan.

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

NOVA Geophysical Services



Levent Eskicakit, P.G., E.P.

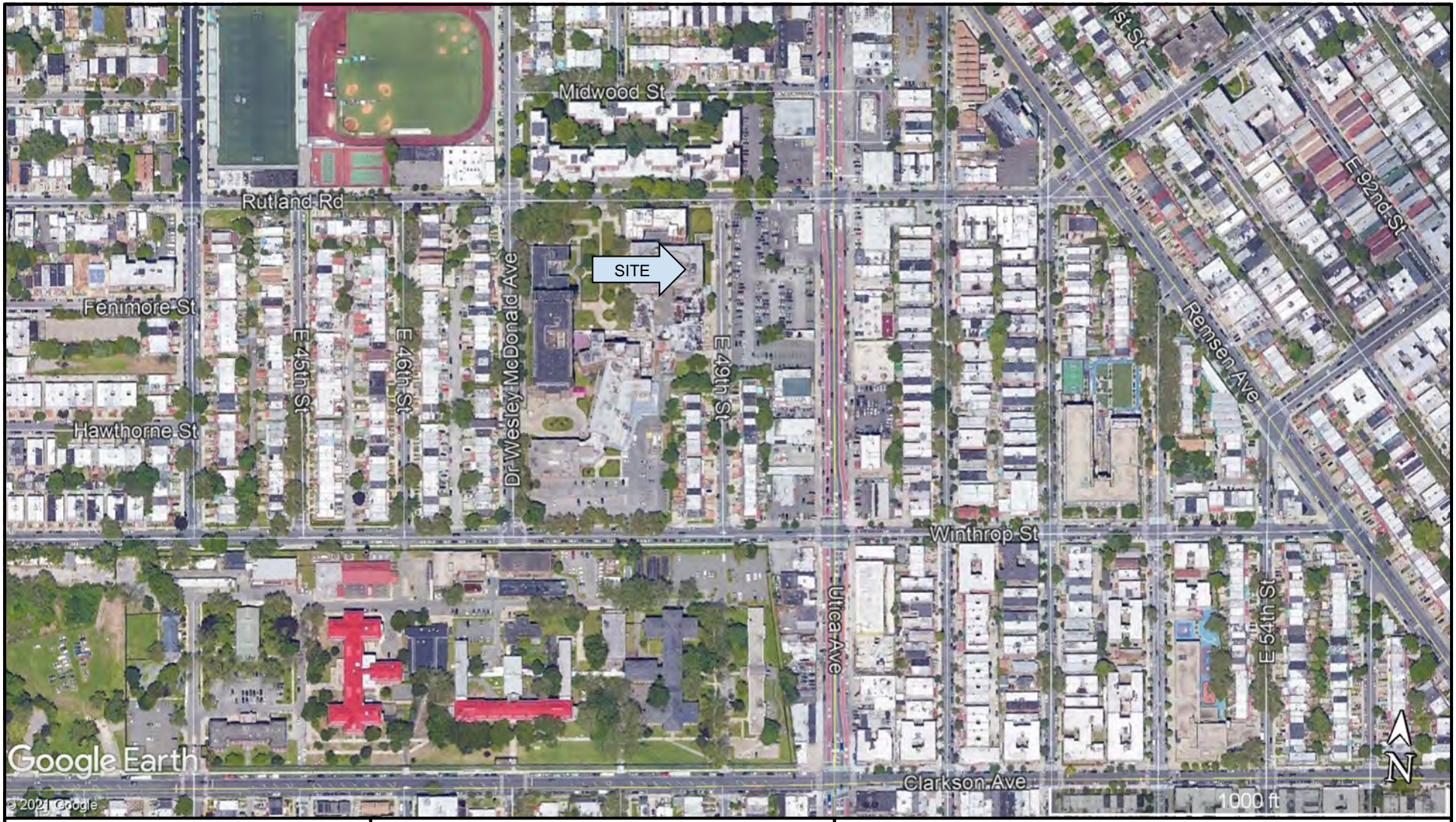
Project Engineer

Attachments:

Location Map

Survey Plan

Geophysical Images

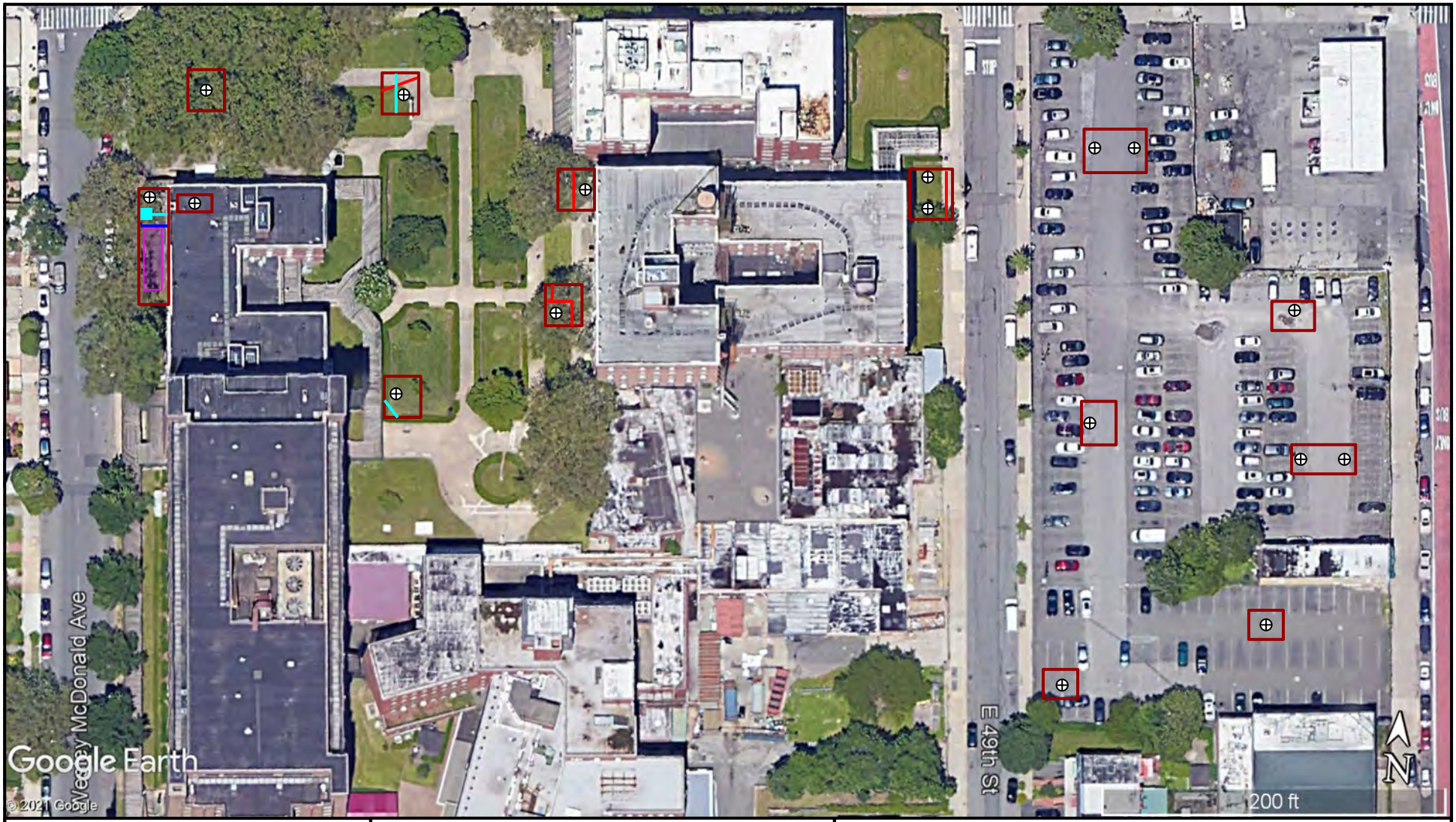


NOVA
Geophysical Services
Subsurface Mapping Solutions
56-01 Marathon Parkway, # 765
Douglaston, New York 11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.novagsi.com

Location Map

SITE:	**Kingsbrook Jewish Medical Center** 585 Schenectady Avenue, Brooklyn, New York 11203
CLIENT:	Langan
DATE:	April 21st, 2021
AUTH:	Chris Steinley

LEGEND



NOVA
Geophysical Services
Subsurface Mapping Solutions
56-01 Marathon Parkway, # 765
Douglaston, New York 11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.novagsi.com

SURVEY PLAN

SITE:	**Kingsbrook Jewish Medical Center** 585 Schenectady Avenue, Brooklyn, New York 11203
CLIENT:	Langan
DATE:	April 21st, 2021
AUTH:	Chris Steinley

LEGEND

- Survey Area
- Unknown
- Water
- Electric
- Anomaly (UST)
- Boring

GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021









GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021









GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021









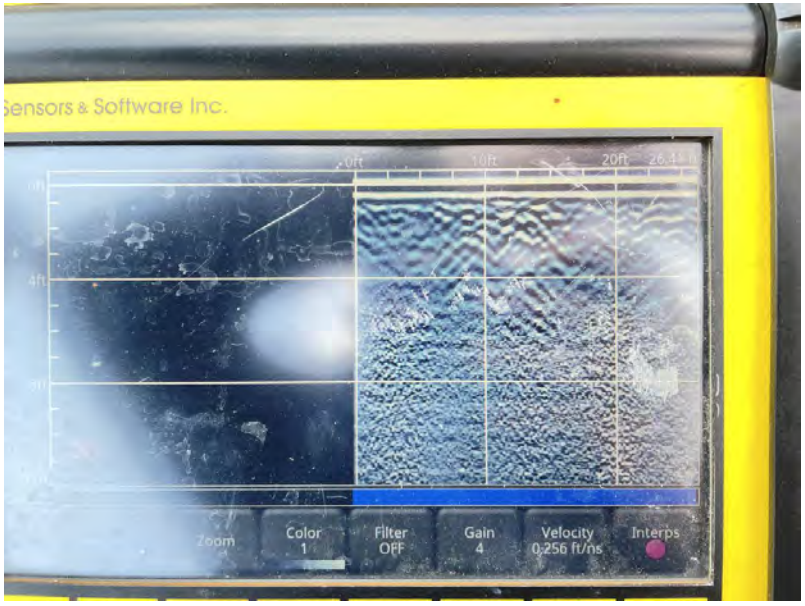
GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021



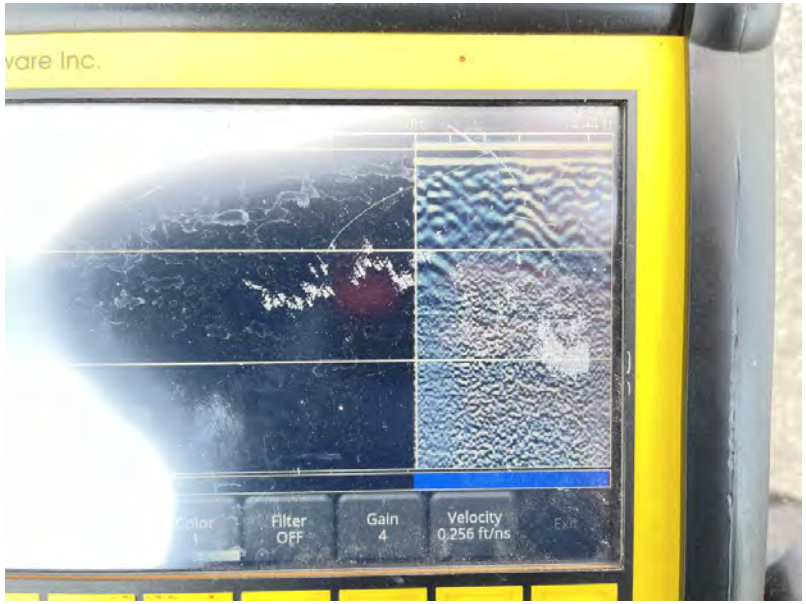






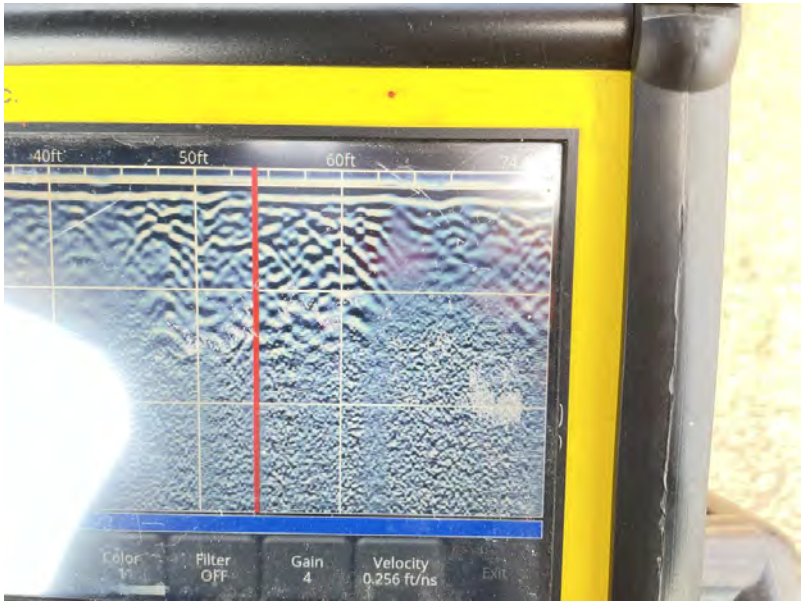
GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021





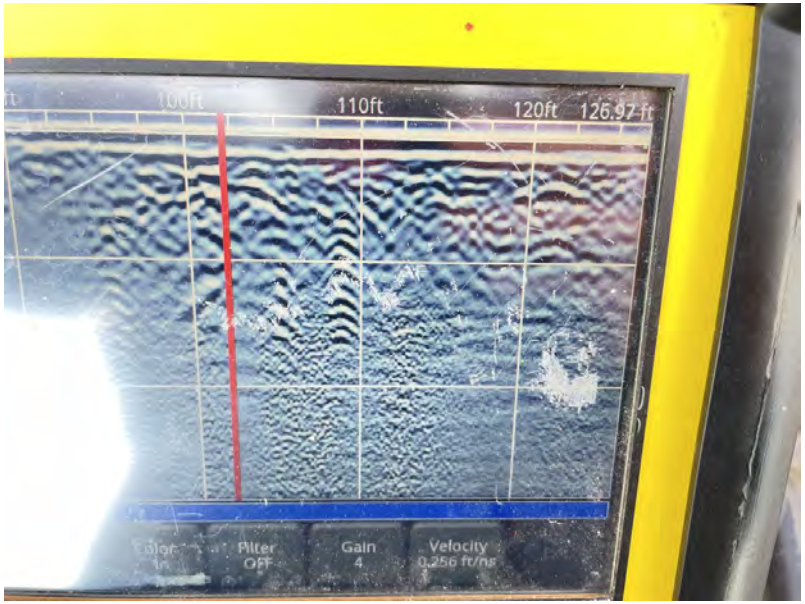




GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021



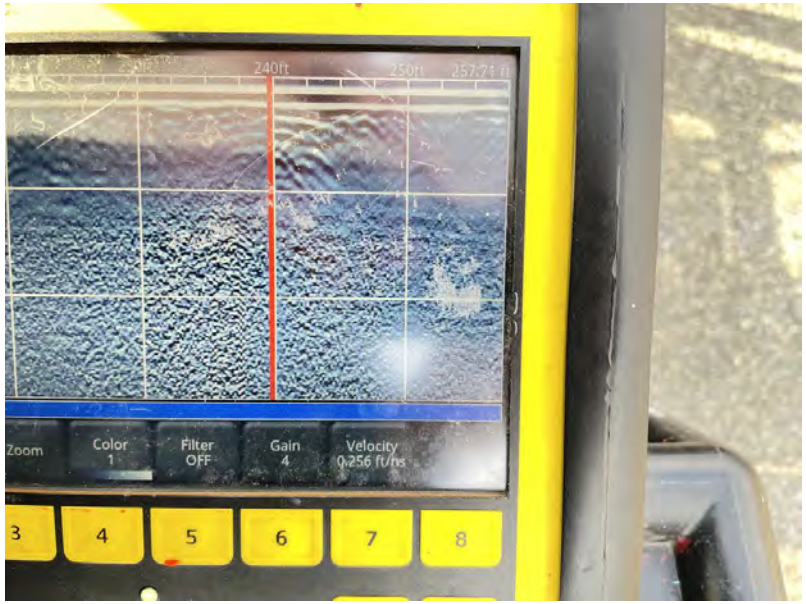






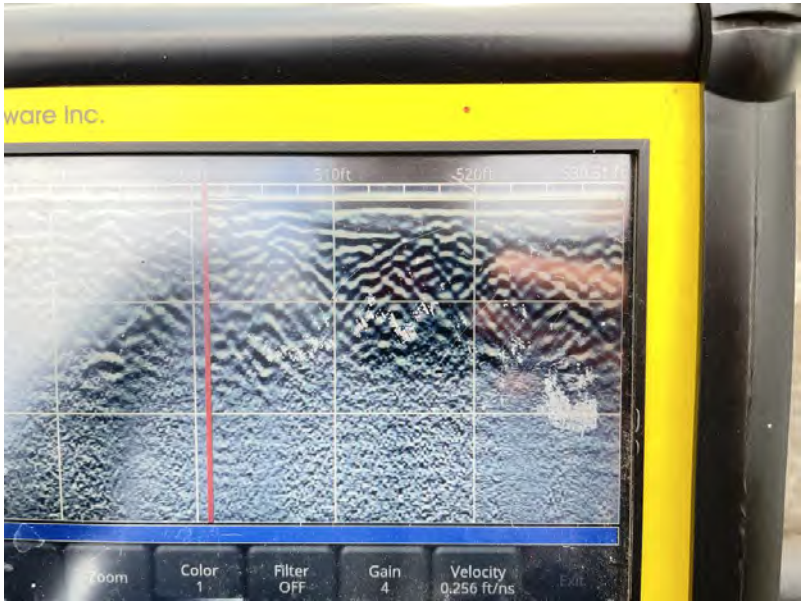
GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021





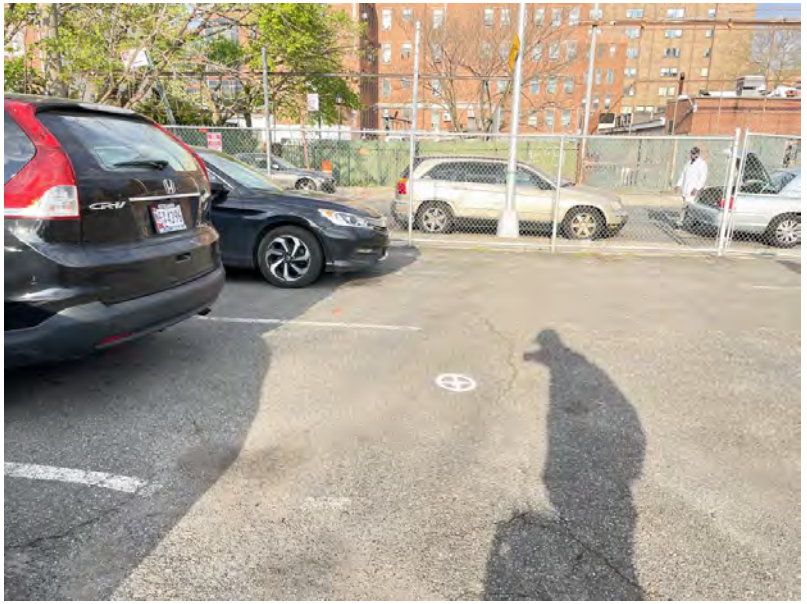


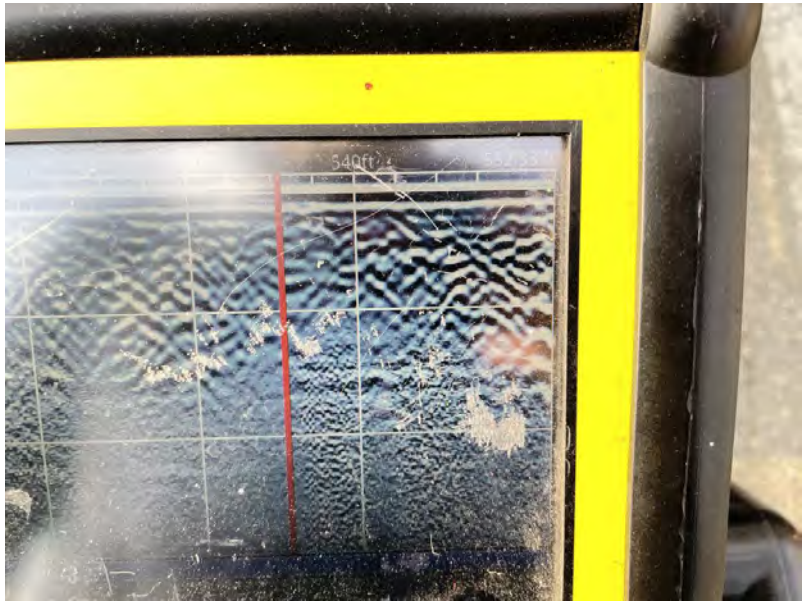


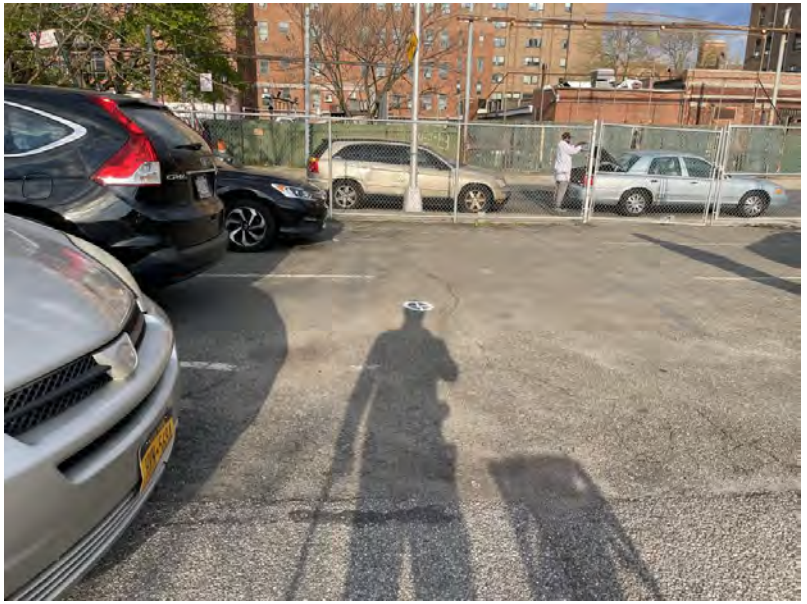
GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021





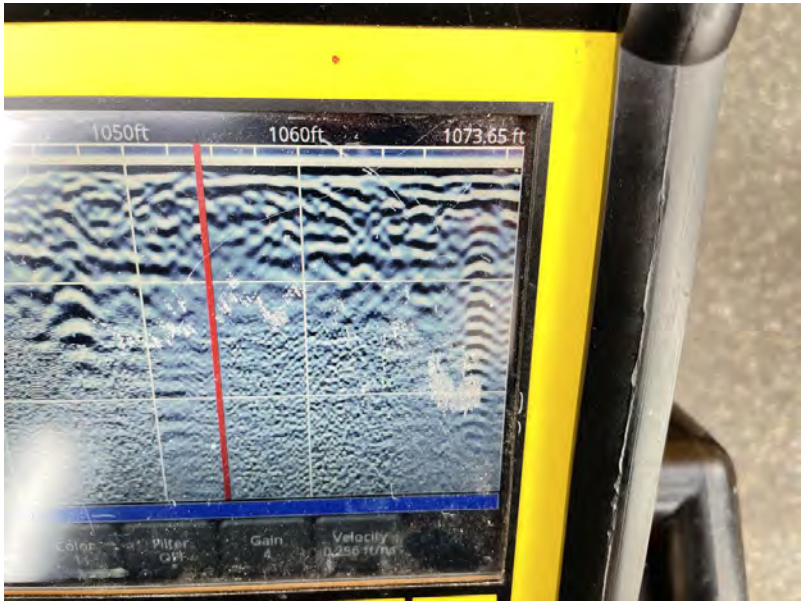


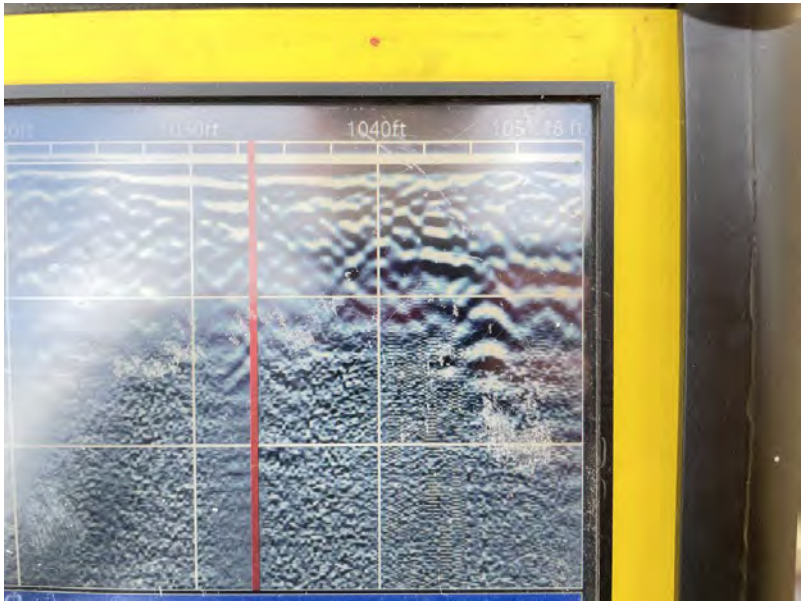


GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021





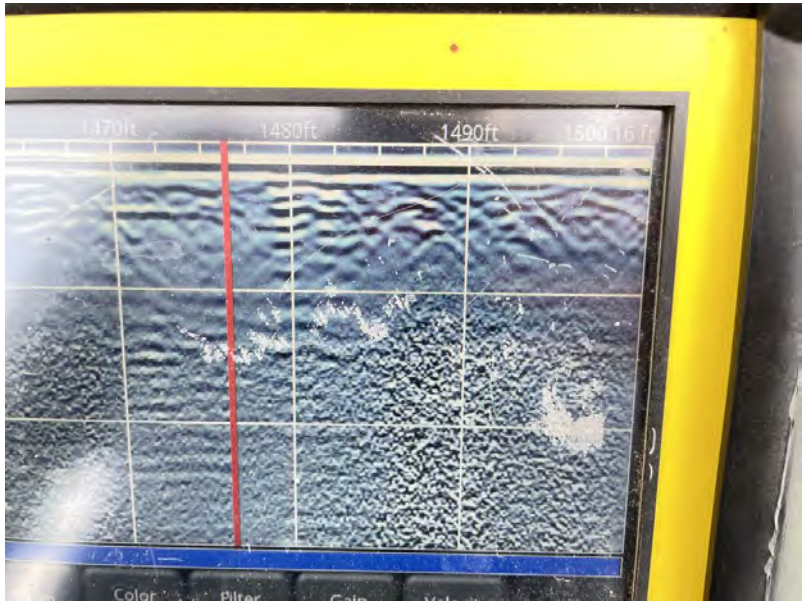


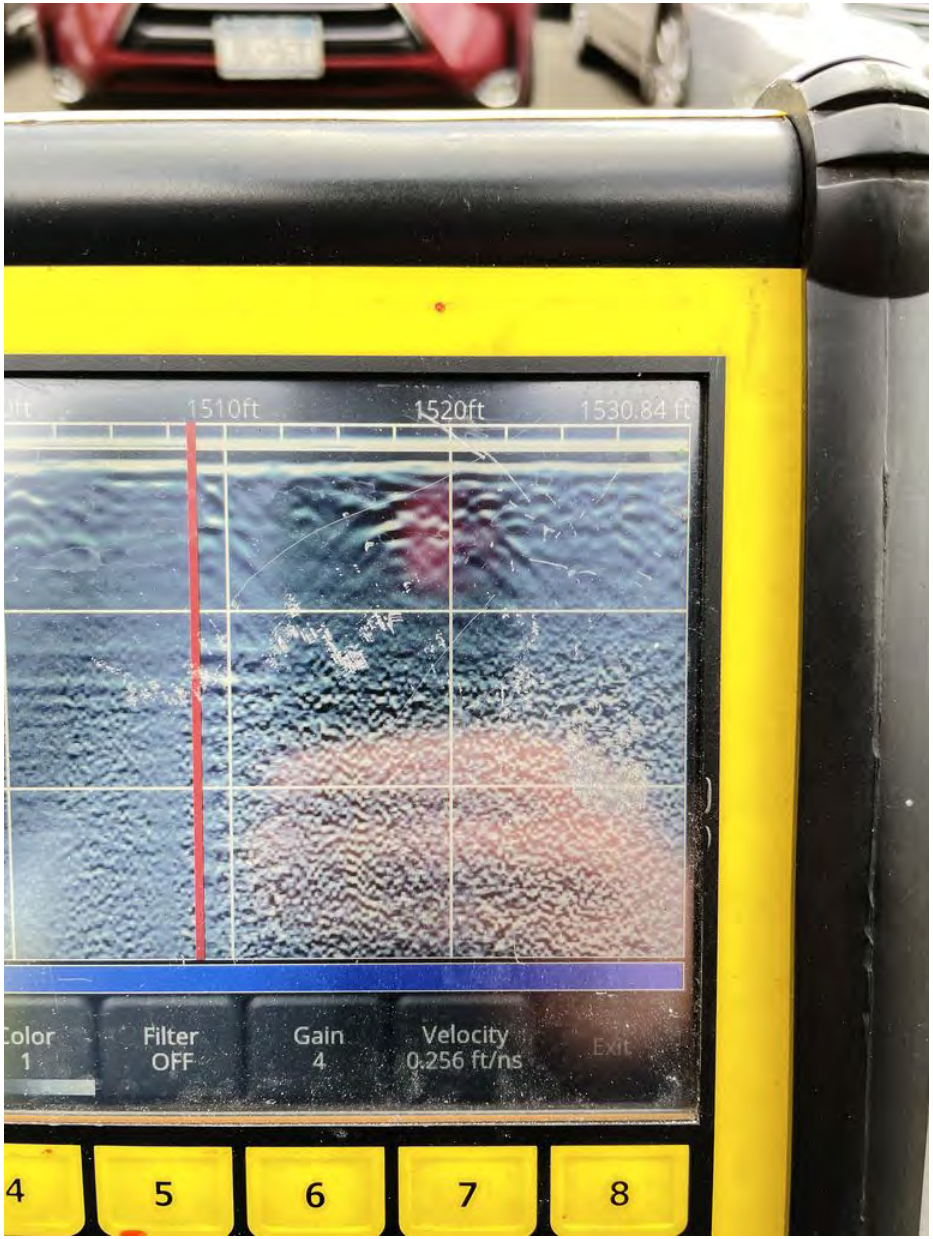


GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021



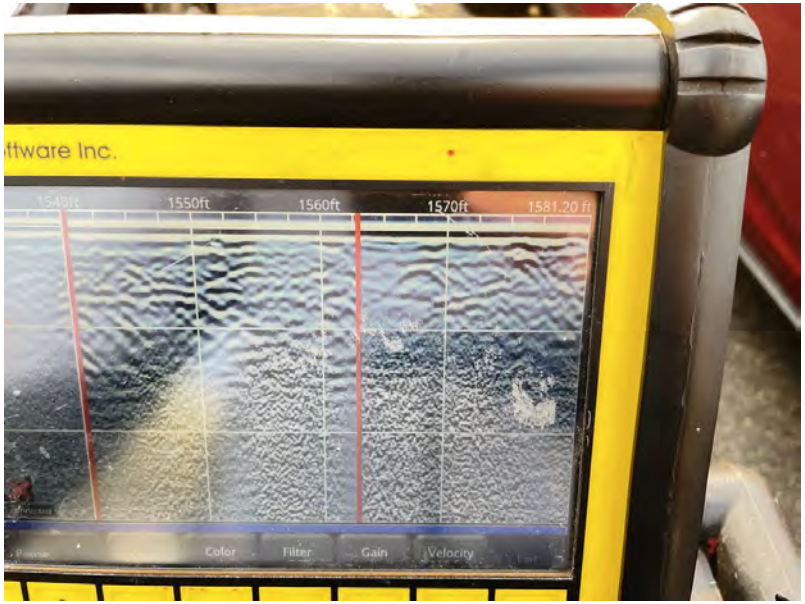


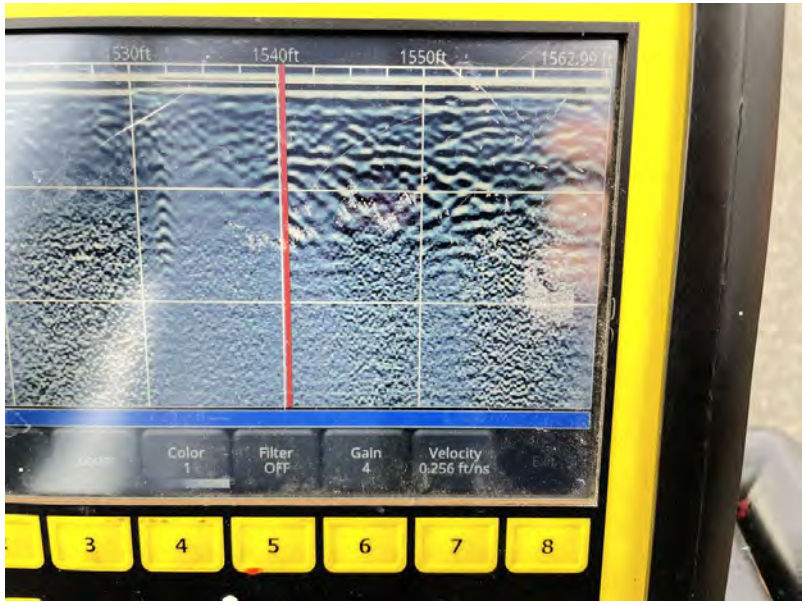


GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021



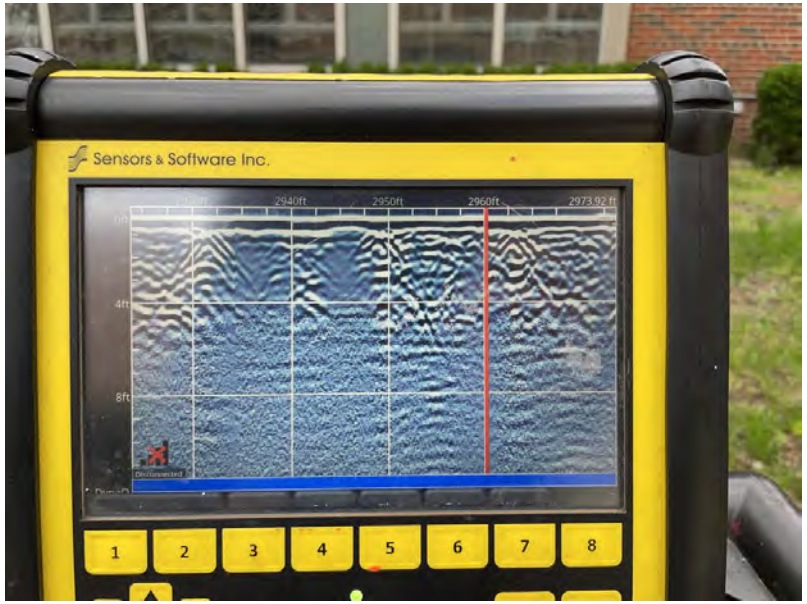




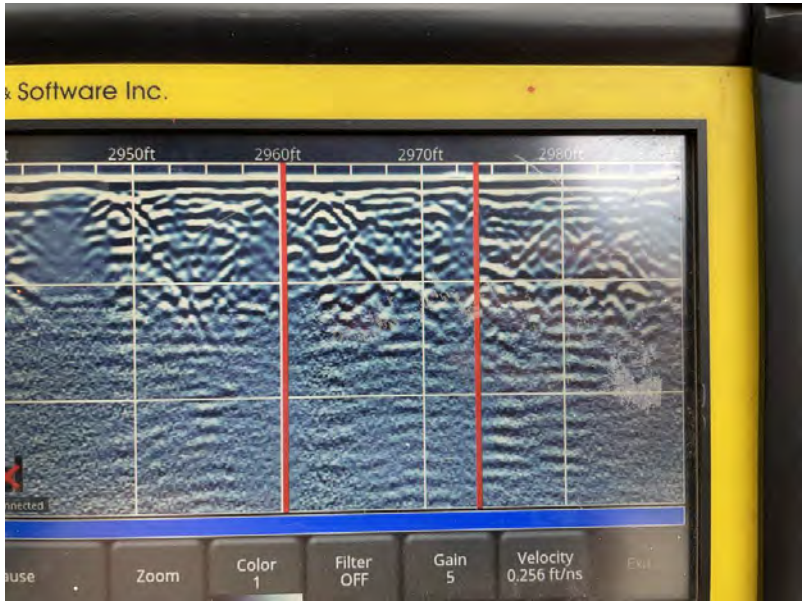


GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021









GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021





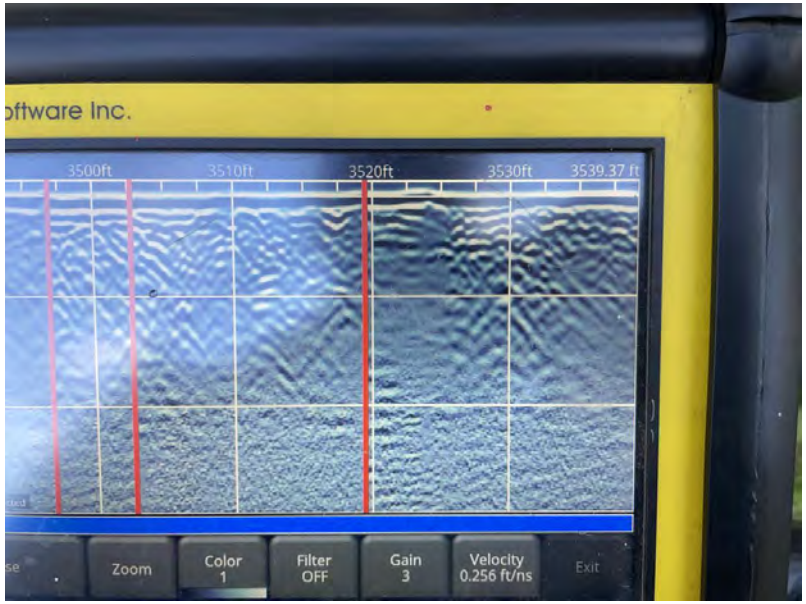


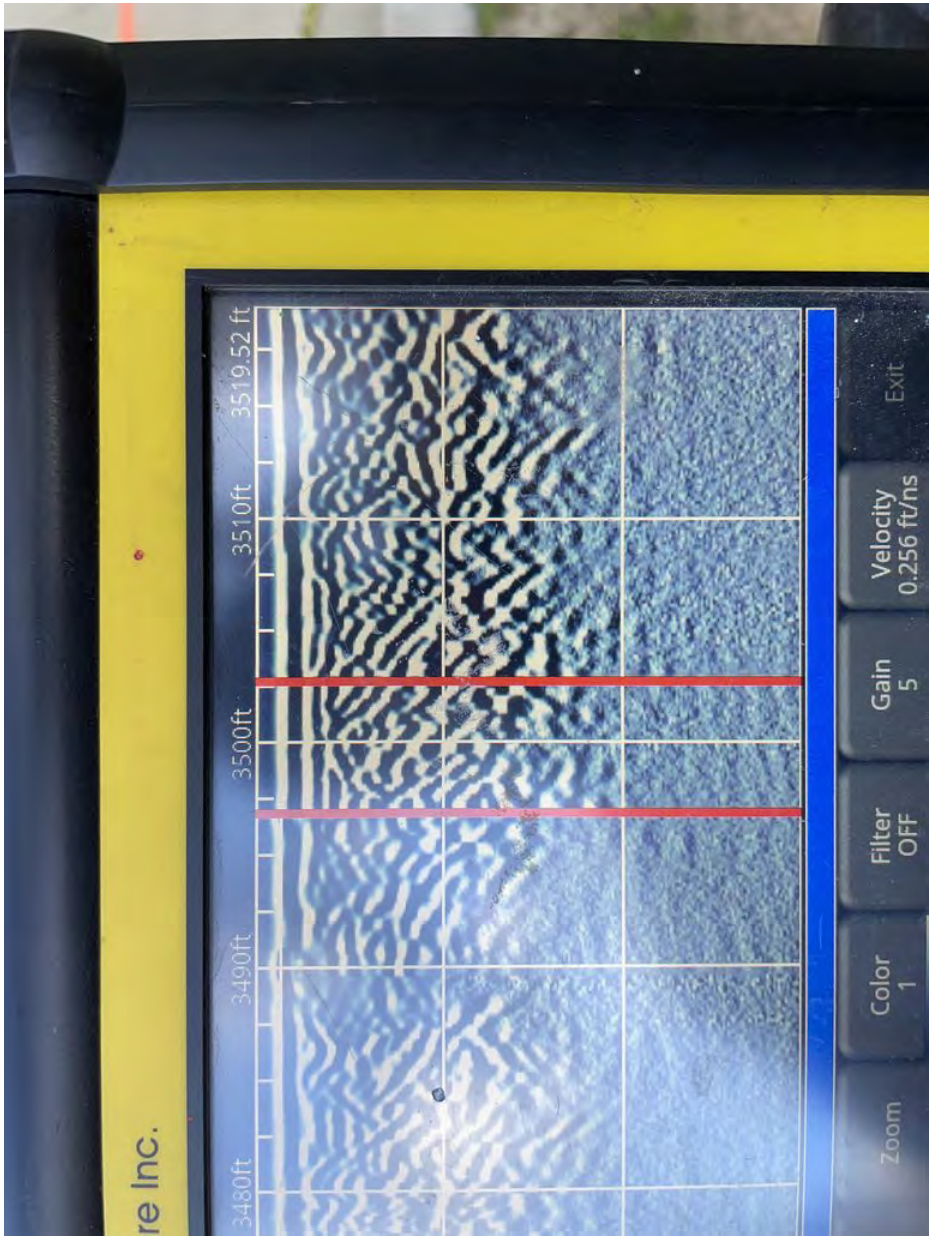


GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021



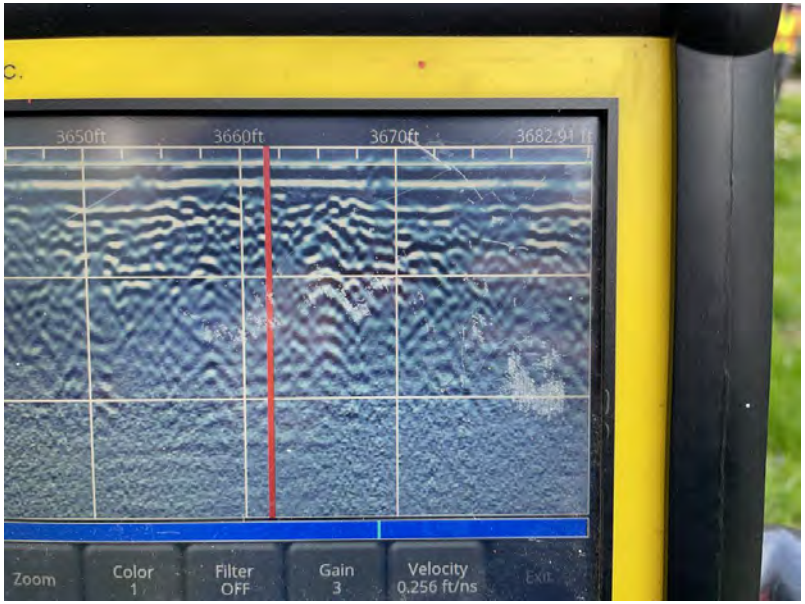




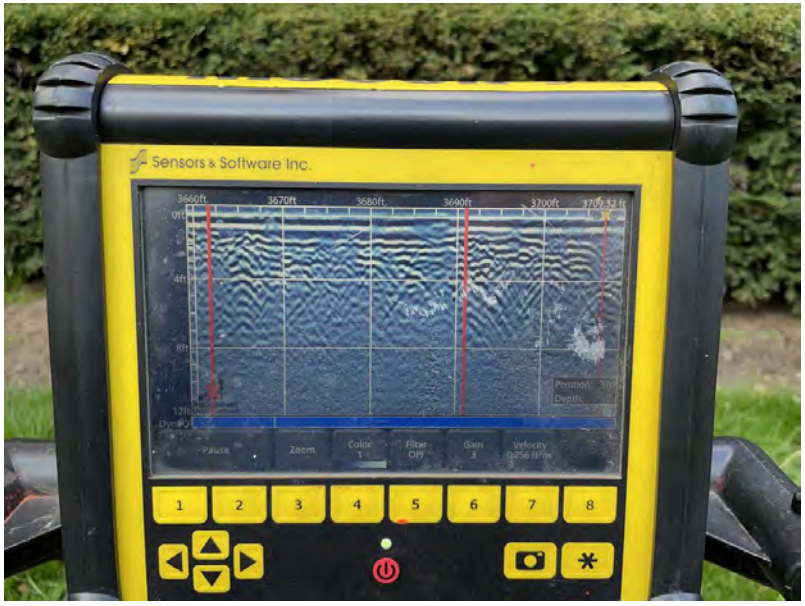
GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021









GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021







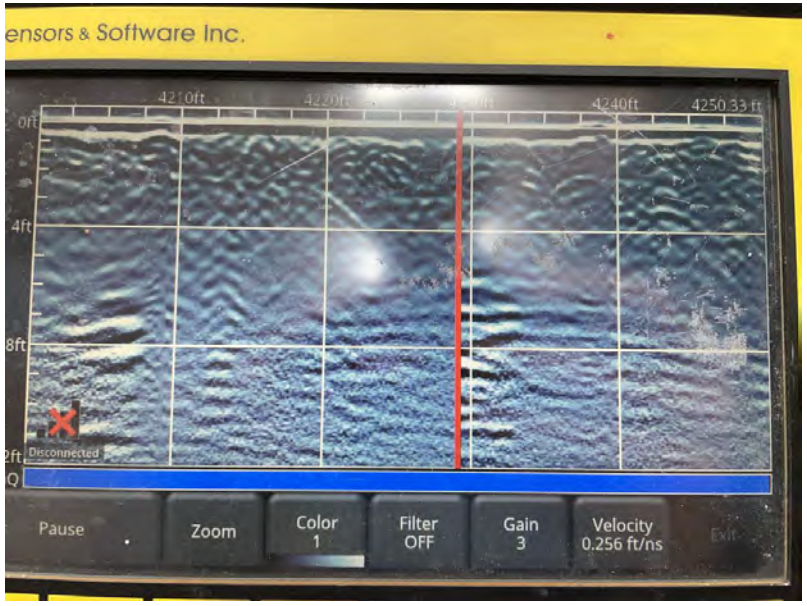


GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021









GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021



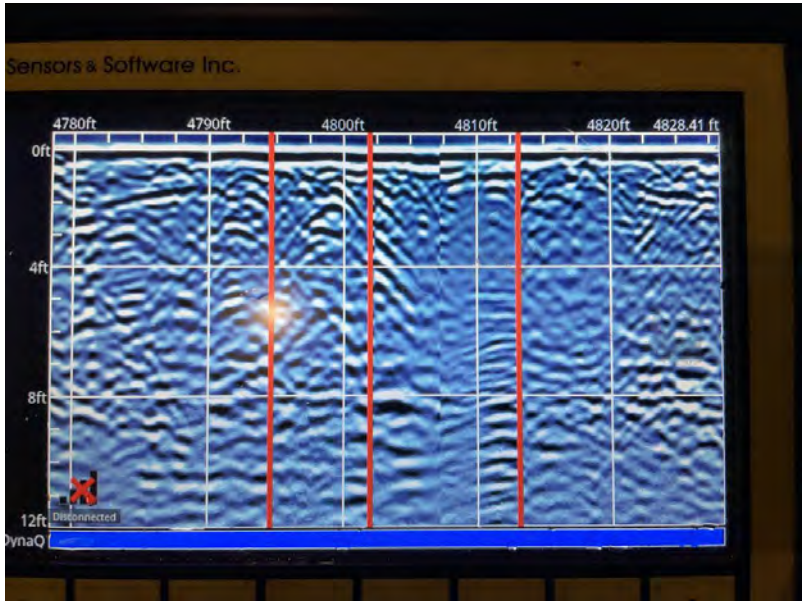






GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021









GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021





GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021



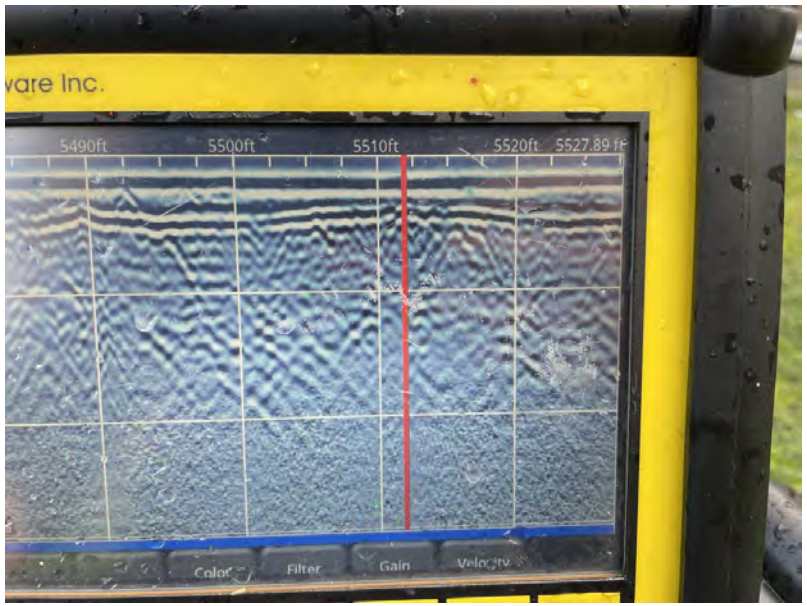




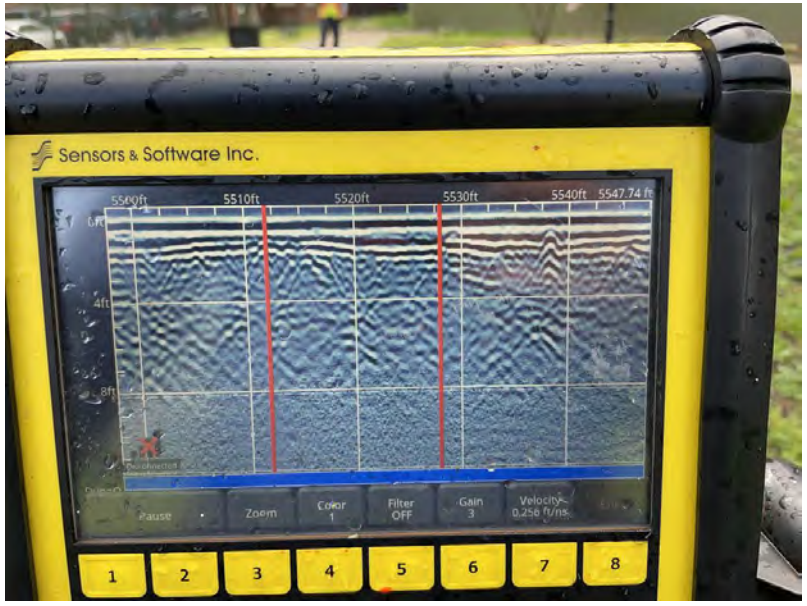


GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021









GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021





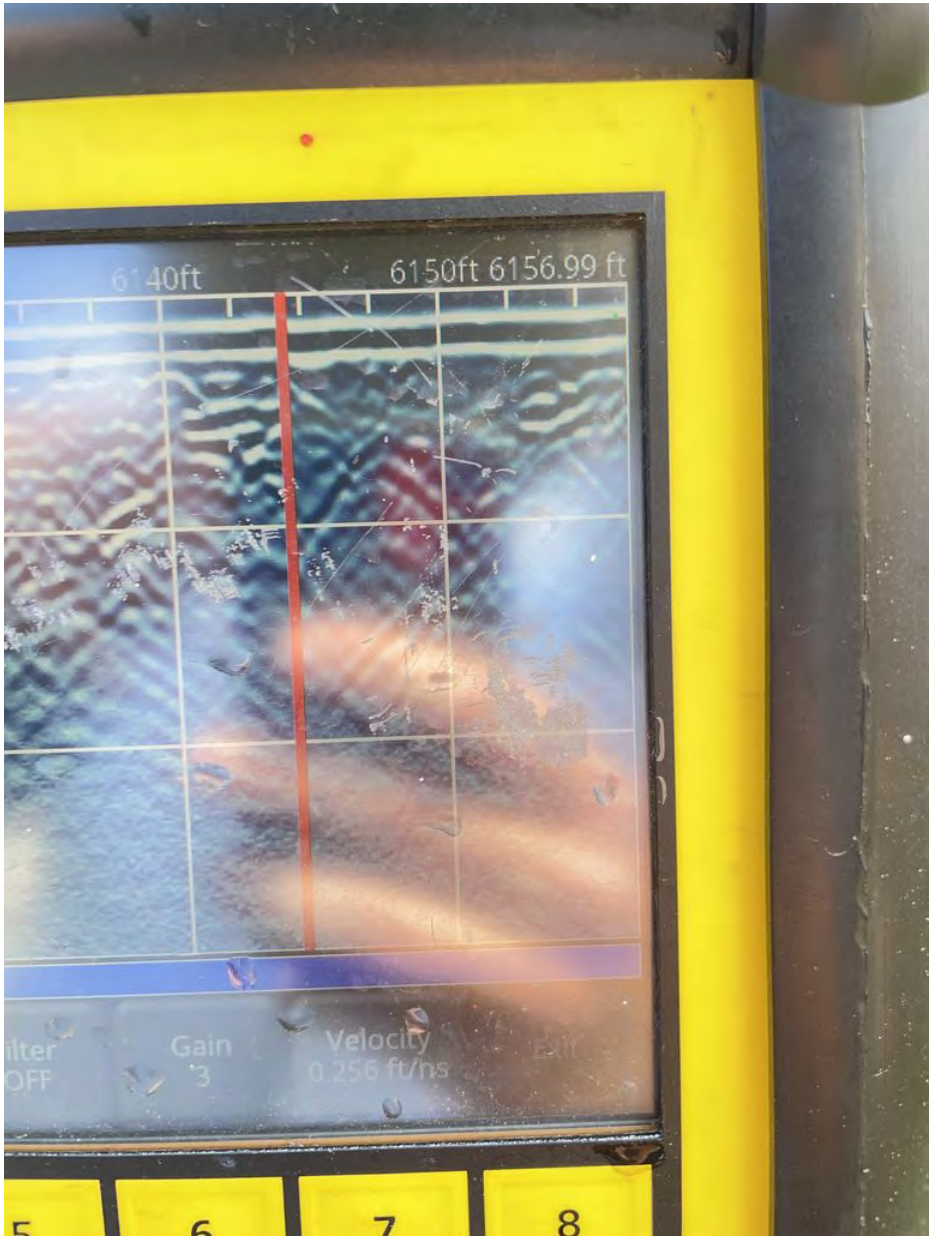




GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021





GEOPHYSICAL IMAGES

Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021





APPENDIX B

Soil Boring Logs

LANGAN

Log of Boring **SB01** Sheet 1 of 1

Project: Vital Brooklyn - Site EFGH	Project No.: 170655401
Location: 808 Rutland Road, Brooklyn, NY	Elevation and Datum: N/A
Drilling Company: Lakewood Environmental Services, Corp	Date Started: 4/22/21 — Date Finished: 4/22/21
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 16 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch-diameter Direct Push	Number of Samples: Disturbed 4 — Undisturbed N/A — Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4-foot-long Macrocore with acetate liner	Field Engineer: Tyler Zorn
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1A (0-16"): Dark brown medium SAND, trace fine gravel, some fine sand, brick (moist)[FILL]	0					0.0	
			1					0.0	
		R1B (16-34"): Brown fine SAND, trace fine gravel, some medium sand, brick (moist)[FILL]		R-1	MACROCORE	34		0.0	Collect grab sample SB01_0-2
			2					0.0	
			3					0.0	
			4						
		R2A (0-10"): Brown to light gray fine SAND, some fine gravel, some medium sand, concrete (moist)[FILL]	5					0.0	
			6	R-2	MACROCORE	30		0.0	
		R2B (10-30"): Brown to gray fine SAND, trace fine gravel, trace medium sand, trace silt (moist)[SP-SM]	7					0.0	
								0.0	
			8					0.0	
			9					0.0	
		R3: Orangish brown fine SAND, trace fine gravel, some medium sand, trace silt (moist)[SP-SM]	10	R-3	MACROCORE	38		0.0	
								0.0	
			11					0.0	Collect grab sample SB01_10-12 (HOLD)
			12					0.0	
			13						
		R4: Brown to gray fine SAND, trace fine gravel, trace medium sand, trace silt (moist)[SP-SM]	14	R-4	MACROCORE	24		0.0	
			15					0.0	
								0.0	
			16					0.0	End of boring at 16 feet below grade surface (bgs). Backfill with non-impacted soil cuttings and clean sand, patch with hydrated bentonite.
			17						
			18						
			19						
			20						

\\LANGAN.COM\DATA\NYC\DATA4\170655401\PROJECT DATA_DISCIPLINE\ENVIRONMENTAL\GINTLOGS\170655401_ENTERPRISE.GPJ ... 6/7/2021 2:26:06 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **SB02** Sheet 1 of 1

Project: Vital Brooklyn - Site EFGH	Project No.: 170655401
Location: 808 Rutland Road, Brooklyn, NY	Elevation and Datum: N/A
Drilling Company: Lakewood Environmental Services, Corp	Date Started: 4/22/21 — Date Finished: 4/22/21
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 16 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch-diameter Direct Push	Number of Samples: Disturbed 4 — Undisturbed N/A — Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4-foot-long Macrocore with acetate liner	Field Engineer: Tyler Zorn
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1: Brown to gray medium SAND, some fine gravel, some fine sand, brick, concrete, glass (moist)[FILL]	0	R-1	MACROCORE	20		0.0	
			1					0.0	
			2					0.0	Collect grab sample SB02_0-2
			3					0.0	
			4						
			5	R-2	MACROCORE	32			
			6					0.0	
		R2A (0-24"): Brown to dark gray medium SAND, some fine gravel, some fine sand, brick, concrete, glass (moist)[FILL]	7					0.0	
		R2B (24-32"): Brown fine SAND, trace fine gravel, some medium sand (moist)[SP-SM]	8					0.0	
			9	R-3	MACROCORE	28			
		R3: Brown to gray fine SAND, trace fine gravel, some medium sand, trace silt (moist)[SP-SM]	10					0.0	
			11					0.0	
			12					0.0	
			13	R-4	MACROCORE	42		0.0	Collect grab sample SB02_12-14 (HOLD)
		R4A (0-30"): Brown to gray fine SAND, trace fine gravel, some medium sand, trace silt (moist)[SP-SM]	14					0.0	
		R4B (30-33"): Reddish brown fine SAND, trace silt (moist)[SP-SM]	15					0.0	
		R4C (33-42"): Brown to gray fine SAND, trace fine gravel, some medium sand, trace silt (moist)[SP-SM]	16					0.0	End of boring at 16 feet bgs. Backfill with non-impacted soil cuttings and clean sand, patch with hydrated bentonite.
			17						
			18						
			19						
			20						

\\LANGAN.COM\DATA\NYC\DATA4\170655401\PROJECT DATA_DISCIPLINE\ENVIRONMENTAL\GINTLOGS\170655401_ENTERPRISE.GPJ ... 6/7/2021 2:26:08 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **SB03** Sheet 1 of 1

Project: Vital Brooklyn - Site EFGH	Project No.: 170655401
Location: 808 Rutland Road, Brooklyn, NY	Elevation and Datum: N/A
Drilling Company: Lakewood Environmental Services, Corp	Date Started: 4/22/21 — Date Finished: 4/22/21
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 16 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch-diameter Direct Push	Number of Samples: Disturbed 4 — Undisturbed N/A — Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ N/A — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4-foot-long Macrocore with acetate liner	Field Engineer: Tyler Zorn
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1: Brown to light gray medium SAND, some fine gravel, trace fine sand, concrete (moist)[FILL]	0	R-1	MACROCORE	30		0.0	
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
			5					0.0	Collect grab sample SB03_2-4 (HOLD)
			6	R-2	MACROCORE	12			
		R2: Light brown to brown medium SAND, some fine gravel, some fine sand, brick, concrete (moist)[FILL]	7					0.0	
			8					0.0	
			9					0.0	
			10	R-3	MACROCORE	20			
		R3: Brown to gray fine SAND, trace fine gravel, some medium sand (moist)[SP-SM]	11					0.0	
			12					0.0	
			13					0.0	
			14					0.0	
		R4A (0-18"): Dark brown to gray fine SAND, trace medium sand, trace silt (moist)[SP-SM]	15	R-4	MACROCORE	24		0.0	Collect grab sample SB03_14-16
		R4B (18-24"): Black fine SAND, some medium sand, trace silt (moist)[SP-SM]	16					0.0	Unidentifiable odor observed from 15 to 16 feet bgs
			17						End of boring at 16 feet bgs. Backfill with non-impacted soil cuttings and clean sand, patch with hydrated bentonite.
			18						
			19						
			20						

\\LANGAN.COM\DATA\NYC\DATA4\170655401\PROJECT DATA_DISCIPLINE\ENVIRONMENTAL\GINTLOGS\170655401_ENTERPRISE.GPJ ... 6/7/2021 2:26:10 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **SB04** Sheet 1 of 2

Project: Vital Brooklyn - Site EFGH	Project No.: 170655401
Location: 808 Rutland Road, Brooklyn, NY	Elevation and Datum: N/A
Drilling Company: Lakewood Environmental Services, Corp	Date Started: 4/22/21 — Date Finished: 4/22/21
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 24 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch-diameter Direct Push	Number of Samples: Disturbed 6 — Undisturbed N/A — Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 12 — Completion ▼ 8.6 — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4-foot-long Macrocore with acetate liner	Field Engineer: Tyler Zorn
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1: Brown to gray medium SAND, some fine gravel, some fine sand, brick, concrete (moist)[FILL]	0	R-1	MACROCORE	30		0.0	
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
			5					0.0	Collect grab sample SB04_2-4
		R2: Brown to dark gray medium SAND, some fine gravel, some fine sand, brick, concrete (moist)[FILL]	6	R-2	MACROCORE	16			
			7					0.0	
			8					0.0	
			9					0.0	
			10	R-3	MACROCORE	12			
		R3: Orangish brown to dark gray medium SAND, some fine gravel, some fine sand, brick, concrete (moist)[FILL]	11					0.0	
			12					0.0	
		R4: Brown to gray SILT, some fine sand (wet)[ML]	13					0.0	Collect grab sample SB04_11-13 (HOLD)
			14	R-4	MACROCORE	48		0.0	
			15					0.0	
			16					0.0	
			17					0.0	
			18	R-5	MACROCORE	24			
		R5: Brown to gray SILT, some fine sand (wet)[ML]	19					0.0	
			20					0.0	

\\LANGAN.COM\DATA\NYC\DATA4\170655401\PROJECT DATA_DISCIPLINE\ENVIRONMENTAL\GINTLOGS\170655401_ENTERPRISE.GPJ ... 6/7/2021 2:26:13 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **SB04** Sheet 2 of 2

Project	Project No.
Vital Brooklyn - Site EFGH	170655401
Location	**Elevation and Datum**
808 Rutland Road, Brooklyn, NY	N/A

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			20					0.0	
			21						
			22	R-6	MACROCORE	30		0.0	
			23					0.0	
		R6: Brown to gray fine SAND, trace medium sand, some silt (wet)[SP-SM]	24					0.0	End of boring at 24 feet bgs. Installed TMW04 with a 10-foot screen from 12 to 22 feet bgs. Following sampling, temporary well was removed, borehole backfilled with clean sand, patched with hydrated bentonite.
			25						
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

\\LANGAN.COM\DATA\NYC\DATA4\170655401\PROJECT DATA_DISCIPLINE\ENVIRONMENTAL\GINTLOGS\170655401_ENTERPRISE.GPJ ... 6/7/2021 2:26:13 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **SB05** Sheet 1 of 2

Project: Vital Brooklyn - Site EFGH	Project No.: 170655401
Location: 808 Rutland Road, Brooklyn, NY	Elevation and Datum: N/A
Drilling Company: Lakewood Environmental Services, Corp	Date Started: 4/28/21 — Date Finished: 4/28/21
Drilling Equipment: Geoprobe 420M	Completion Depth: 28 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch-diameter Direct Push	Number of Samples: Disturbed 7 — Undisturbed N/A — Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 22 — Completion ▼ 20.9 — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4-foot-long Macrocore with acetate liner	Field Engineer: Tyler Zorn
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1: Gray to dark gray fine SAND, trace fine gravel, some medium sand, concrete (moist)[FILL]	0	R-1	MACROCORE	18		0.0	
			1					0.0	
			2					0.0	
		R4: Brown to light gray medium SAND, trace fine gravel, some fine sand (moist)[SP]	3					0.0	
			4						
			5	R-2	MACROCORE	18			
			6					0.0	
		R2: Gray to dark gray fine SAND, trace fine gravel, some medium sand, concrete (moist)[FILL]	7					0.0	
			8					0.0	
			9	R-3	MACROCORE	22			
			10					0.0	
		R3: Brown to dark gray medium SAND, some fine gravel, some medium sand, brick, concrete (moist)[FILL]	11					0.0	Collect grab sample SB05_10_12
			12					0.0	
			13	R-4	MACROCORE	44		0.0	
			14					0.0	
			15					0.0	
		R5: Brown to light gray medium SAND, trace fine gravel, some fine sand (moist)[SP]	16					0.0	
			17	R-5	MACROCORE	44		0.0	
			18					0.0	
			19					0.0	
			20					0.0	

\\LANGAN.COM\DATA\NYC\DATA4\170655401\PROJECT DATA_DISCIPLINE\ENVIRONMENTAL\GINTLOGS\170655401_ENTERPRISE.GPJ ... 6/7/2021 2:26:15 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **SB05** Sheet 2 of 2

Project	Project No.
Vital Brooklyn - Site EFGH	170655401
Location	**Elevation and Datum**
808 Rutland Road, Brooklyn, NY	N/A

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R6: Brown to light gray medium SAND, trace fine gravel, some fine sand (wet)[SP]	20	R-6	MACROCORE	46		0.0	Collect grab sample SB05_21-23 (HOLD)
			21					0.0	
			22					0.0	
			23					0.0	
			24					0.0	
		R7: Brown to light gray medium SAND, some fine sand (wet)[SP]	25	R-7	MACROCORE	48		0.0	
			26					0.0	
			27					0.0	
			28					0.0	End of boring at 28 feet bgs. Installed TMW05 with a 10-foot screen from 18 to 28 feet bgs. Following sampling, temporary well was removed, borehole backfilled with clean sand, patched with hydrated bentonite.
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

\\LANGAN.COM\DATA\NYC\DATA4\170655401\PROJECT DATA_DISCIPLINE\ENVIRONMENTAL\GINTLOGS\170655401_ENTERPRISE.GPJ ... 6/7/2021 2:26:16 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **SB06** Sheet 1 of 2

Project: Vital Brooklyn - Site EFGH	Project No.: 170655401
Location: 808 Rutland Road, Brooklyn, NY	Elevation and Datum: N/A
Drilling Company: Lakewood Environmental Services, Corp	Date Started: 4/22/21 — Date Finished: 4/22/21
Drilling Equipment: Geoprobe 6610 DT	Completion Depth: 24 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch-diameter Direct Push	Number of Samples: Disturbed 6 — Undisturbed N/A — Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 23 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Tim Kelly
Sampler: 4-foot-long Macrocore with acetate liner	Field Engineer: Tyler Zorn
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1A (0-26"): Dark brown medium SAND, trace fine gravel, some fine sand, brick (moist)[FILL]	0	R-1	MACROCORE	44		0.0	
			1					0.0	
								0.0	
								0.0	
		R1B (26-44"): Brown medium SAND, trace fine gravel, some fine sand, concrete (moist)[FILL]	2					0.0	Collect grab samples SB06_1-3 and SODUP01_042221
								0.0	
			3					0.0	
								0.0	
		R2A (0-30"): Brown to gray fine SAND, trace fine gravel, some medium sand, brick, concrete (moist)[FILL]	4	R-2	MACROCORE	44		0.0	
								0.0	
			5					0.0	
								0.0	
			6					0.0	
								0.0	
		R2B (30-44"): Brown to gray fine SAND, trace fine gravel, some medium sand (moist)[SP]	7					0.0	
								0.0	
			8	R-3	MACROCORE	24		0.0	
			9						
			10						
		R3: Brown to gray fine SAND, trace fine gravel, some medium sand (moist)[SP]						0.0	
			11					0.0	
								0.0	
			12					0.0	
			13	R-4	MACROCORE	24			
		R4: Brown to gray fine SAND, trace fine gravel, some medium sand, trace silt (moist)[SP-SM]	14					0.0	
			15					0.0	
								0.0	
			16					0.0	
			17						
			18	R-5	MACROCORE	12			
		R5: Brown to gray fine SAND, trace fine gravel, trace medium sand, trace silt (moist)[SP-SM]							
			19					0.0	
			20					0.0	

\\LANGAN.COM\DATA\NYC\DATA4\170655401\PROJECT DATA_DISCIPLINE\ENVIRONMENTAL\GINTLOGS\170655401_ENTERPRISE.GPJ ... 6/7/2021 2:26:19 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **SB06** Sheet 2 of 2

Project	Project No.
Vital Brooklyn - Site EFGH	170655401
Location	**Elevation and Datum**
808 Rutland Road, Brooklyn, NY	N/A

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R6: Brown to dark gray fine SAND, trace medium sand, some silt (moist)[SP-SM]	20–24	R-6	MACROCORE	12		0.0 0.0 0.0 0.0	Collect grab sample SB06_22-24 (HOLD) End of boring at 24 feet bgs. Backfill with non-impacted soil cuttings and clean sand, patch with hydrated bentonite.

\\LANGAN.COM\DATA\NYC\DATA4\170655401\PROJECT DATA_DISCIPLINE\ENVIRONMENTAL\GINTLOGS\170655401_ENTERPRISE.GPJ ... 6/7/2021 2:26:19 PM ... Report: Log - LANGAN

APPENDIX C

Monitoring Well Construction and Sampling Logs

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. TMW04

PROJECT		PROJECT NO.	
Vital Brooklyn - Sites EFGH		170655401	
LOCATION		**ELEVATION AND DATUM**	
Brooklyn, NY		el. N/A	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services Corp.		4/22/2021	4/22/2021
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 6610 DT		Tim Kelly	
SIZE AND TYPE OF BIT		**INSPECTOR**	
2-inch Direct Push		Tyler Zorn	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2-inch		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	1-inch	No. 2 Sand	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	1-inch	No. 2 Sand	Bentonite

METHOD OF INSTALLATION

Geoprobe 6610 DT was used to advance the boring to approximately 24 feet bgs. A 1-inch PVC temporary monitoring well was installed which consisted of 10 feet of 10-slot (0.010-inch) well screen, and a solid PVC riser. Well screen was installed from approximately 12 to 22 feet bgs with a stick-up riser about 1 foot above grade surface. Following sampling, Lakewood Environmental Services Corp. removed the well casing, backfilled the borehole with clean sand, and patched with hydrated bentonite.

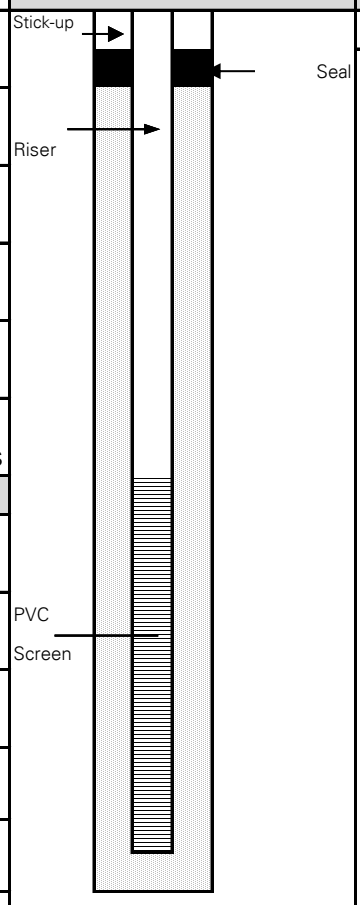
WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Peristaltic	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Langan	**MAX PUMP RATE**	1 LPM	Well developed from 15:09-15:24 until purged groundwater was no longer turbid.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	15 L	

TOP OF CASING **ELEVATION** N/A	**DEPTH (ft above grade)** 1	
TOP OF SEAL **ELEVATION**	**DEPTH (ft)** 0.25	
TOP OF FILTER **ELEVATION**	**DEPTH (ft)** 12	
TOP OF SCREEN **ELEVATION**	**DEPTH (ft)** 12	
BOTTOM OF BORING **ELEVATION**	**DEPTH (ft)** 24	
SCREEN LENGTH	10	
SLOT SIZE	No. 10 Slot; 0.010 Inches	

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
	4/22/2021	8.57 ft



WELL DETAILS	SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
		1
		0.25
		12
		22
		24

LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

21 Penn Plaza, 360 West 31st Street, 8th Floor, New York

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. TMW05

PROJECT		PROJECT NO.	
Vital Brooklyn - Sites EFGH		170655401	
LOCATION		**ELEVATION AND DATUM**	
Brooklyn, NY		el. N/A	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
Lakewood Environmental Services Corp.		4/22/2021	4/22/2021
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 420 M		Tim Kelly	
SIZE AND TYPE OF BIT		**INSPECTOR**	
2-inch Direct Push		Tyler Zorn	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2-inch		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	1-inch	No. 2 Sand	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 10 Slot	1-inch	No. 2 Sand	Bentonite

METHOD OF INSTALLATION

Geoprobe 420 M was used to advance the boring to approximately 28 feet bgs. A 1-inch PVC temporary monitoring well was installed which consisted of 10 feet of 10-slot (0.010-inch) well screen, and a solid PVC riser. Well screen was installed from approximately 18 to 28 feet bgs with a stick-up riser about 1 foot above grade surface. Following sampling, Lakewood Environmental Services Corp. removed the well casing, backfilled the borehole with clean sand, and patched with hydrated bentonite.

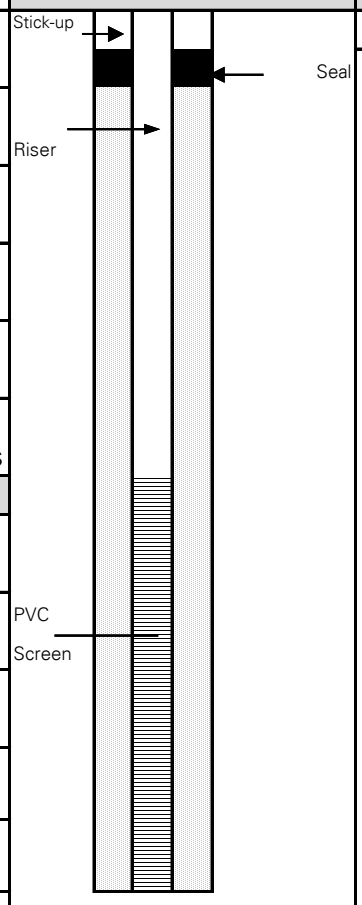
WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Peristaltic	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Langan	**MAX PUMP RATE**	1 LPM	Well developed from 11:44-11:59 until purged groundwater was no longer turbid.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	15 L	

TOP OF CASING **ELEVATION** N/A	**DEPTH (ft above grade)** 1	
TOP OF SEAL **ELEVATION**	**DEPTH (ft)** 0.25	
TOP OF FILTER **ELEVATION**	**DEPTH (ft)** 18	
TOP OF SCREEN **ELEVATION**	**DEPTH (ft)** 18	
BOTTOM OF BORING **ELEVATION**	**DEPTH (ft)** 28	
SCREEN LENGTH	10	
SLOT SIZE	No. 10 Slot; 0.010 Inches	

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
	4/22/2021	20.94 ft



WELL DETAILS	SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
		1
		0.25
		18
		28

LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

21 Penn Plaza, 360 West 31st Street, 8th Floor, New York

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	Vital Brooklyn - Sites EFGH	**Well No:**	TMW04	**Water Quality Device Model:**	Horiba U-52	**Weather:**	Fair/windy 46 F		
Project Number:	170655401	**Well Depth:**	22'	**Pine Number:**	21412	**Background PID (ppm):**	0.0	**Sample(s):**	TMW04_042221
Site Location:	Brooklyn, NY	**Well Diameter:**	1"	**Pump Make and Model:**	Peristaltic Pump	**PID Beneath Inner Cap (ppm):**	N/A		
Sampling	Tyler Zorn	**Well Screen**	12'	**Pine Number:**	19082	**Pump Intake Depth:**	18'	**Sample Date:**	4/22/2021
Personnel:	Farielle Brazier	**Interval:**	22'	**Tubing Diameter:**	3/8" ID x 1/4" OD	**Depth to Water Before Purge:**	8.57'	**Sample Time:**	16:30

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
15:24	12.63	8.41	-3	0.297	0.0	1.66	9.57		0.15	Dark brown water	**N/A**
15:29	11.30	8.39	-37	0.307	1000.0	11.88	NA	0.03	0.3		**N/A**
15:34	11.22	8.31	-122	0.305	954.0	4.06	NA	0.06	0.6		**N**
15:39	10.43	8.17	-71	0.310	1000.0	7.13	NA	0.08	1		**N**
15:44	10.32	8.11	3	0.284	0.0	4.98	NA	0.05	1.25		**N**
15:49	10.39	8.09	61	0.279	0.0	6.40	NA	0.05	1.5	Poor recharge	**N**
15:54	10.40	8.19	66	0.265	1000.0	4.78	NA	0.05	1.75		**N**
15:59	10.51	8.23	61	0.248	1000.0	9.05	NA	0.05	2		**N**
16:04	10.47	8.07	85	0.232	0.0	10.88	NA	0.03	2.15		**N**
16:09	10.63	8.15	41	0.215	1000.0	4.96	NA	0.02	2.25		**N**
16:14	10.77	8.16	46	0.206	1000.0	6.02	NA	0.02	2.35		**N**
16:19	10.80	8.11	61	0.219	1000.0	7.89	NA	0.03	2.5		**N**
16:24	10.76	7.88	94	0.184	1000.0	12.16	0.00	0.02	2.6		**N**

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit
11. DTW was not measured during purging due to the diameter of the temporary well (1-inch)

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	Vital Brooklyn - Sites EFGH	**Well No:**	TMW05	**Water Quality Device Model:**	Horiba U-52	**Weather:**	Fair/Windy, 54 F		TMW05_042221
Project Number:	170655401	**Well Depth:**	28'	**Pine Number:**	21412	**Background PID (ppm):**	0.0	**Sample(s):**	GWDUP01_042221
Site Location:	Brooklyn, NY	**Well Diameter:**	1"	**Pump Make and Model:**	Peristaltic Pump	**PID Beneath Inner Cap (ppm):**	N/A		
Sampling	Tyler Zorn	**Well Screen**	18'	**Pine Number:**	19082	**Pump Intake Depth:**	25'	**Sample Date:**	4/22/2021
Personnel:	Farielle Brazier	**Interval:**	28'	**Tubing Diameter:**	3/8" ID x 1/4" OD	**Depth to Water Before Purge:**	20.94'	**Sample Time:**	13:03

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
11:59	12.41	7.01	42	0.590	974.0	7.08	20.94		0.25	light brown water, no odor	**N/A**
12:04	13.56	6.96	31	0.727	1000.0	3.75	NA	0.05	0.5		**N/A**
12:09	13.56	6.95	35	0.745	179.0	3.97	NA	0.05	0.75	clear water	**N**
12:14	13.51	6.93	36	0.753	60.2	3.85	NA	0.05	1		**N**
12:19	13.56	6.92	41	0.756	31.9	3.87	NA	0.05	1.25		**N**
12:24	13.57	6.91	46	0.753	28.4	4.06	NA	0.05	1.5		**N**
12:29	13.72	6.90	48	0.759	13.8	4.10	NA	0.05	1.75		**N**
12:34	13.94	6.90	49	0.754	80.1	4.09	NA	0.05	2		**N**
12:39	13.79	6.90	51	0.757	39.7	4.07	NA	0.05	2.25		**N**
12:44	14.07	6.89	55	0.761	19.7	4.01	NA	0.05	2.5		**N**
12:49	14.14	6.90	54	0.755	36.0	4.11	NA	0.1	3		**N**
12:54	13.77	6.90	52	0.760	26.9	3.95	NA	0.05	3.25		**N**
12:59	13.81	6.89	52	0.763	5.1	4.01	20.93	0.05	3.5		**N**

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit
11. DTW was not measured during purging due to the diameter of the temporary well (1-inch)

APPENDIX D

Soil Vapor Sampling Logs

SOIL VAPOR SAMPLING LOG SUMMARY SHEET

Sample ID	Date	Weather (Atmospheric Pressure)	Pre-Purge PID Reading - Sample Tubing (ppm)	Post-Purge Helium Reading Bucket (%)	Post-Purge Helium Reading - Sample Tubing (ppm)	Post-Purge PID Reading - Sample Tubing (ppm)	Summa Canister No.	Regulator No.	Regulator Volume Rate (on tag)	Start Time	Summa Canister Start Pressure	Stop Time	Summa Canister Stop Pressure	Post-Sampling Helium Reading Bucket (%)	Post-Sampling Helium Reading - Sample Tubing (ppm)	Post-Sampling PID Reading - Sample Tubing (ppm)
SG01_042221	4/22/2021	29.83 in	1.8	20.4	0.0	1.8	28837	7090	44.98	10:10	-29.9	12:10	-5	11.2	0.0	0.0
SSSG01_042221	4/22/2021	29.83 in	1.4	16.1	0.0	1.2	28853	13562	39.52	10:56	-29.5	12:56	-6	12.4	0.0	0.0
SG02_042321	4/23/2021	29.91 in	3.1	13.4	0.0	2.4	20947	5610	N/A	8:02	-28.0	10:02	-5	11.9	0.0	0.0

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SG01

PROJECT: Vital Brooklyn - Site EFGH	**PROJECT NO.:** 170655401	
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services Corp.	**INSTALLATION DATE STARTED:** 4/22/2021	**DATE FINISHED:** 4/22/2021
INSTALLATION FOREMAN: Tim Kelly	**SAMPLE DATE STARTED:** 4/22/2021	**DATE FINISHED:** 4/22/2021
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister	
INSPECTOR: Tyler Zorn	**SAMPLER:** Tyler Zorn	
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 46-50 °F Wind: WNW 10 mph Precipitation: N/A Pressure: 29.83 inHG	

METHOD OF INSTALLATION AND PURGING:
Advance Geoprobe 6610 DT to 15 feet below grade surface (bgs). Install 2-inch soil vapor probe at 15 feet bgs, backfill with No. 2 sand to 10 feet bgs, seal with hydrated bentonite to 9 feet bgs, backfill with No. 2 sand to 1 foot bgs, and seal to surface with hydrated bentonite. Following sampling, tubing and probe were removed and the borehole was backfilled with clean sand and patched with hydrated bentonite.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.40	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	1.8	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	20.4%	11.2%
HELIUM TEST IN TUBE (PPM):	0.0	0.0
SAMPLE START TIME:	10:10	
SAMPLE STOP TIME:	12:10	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (L/MIN):	0.05	
VOLUME OF SAMPLE (LITERS):	6 L	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	28837	
REGULATOR SERIAL NUMBER:	7090	
CAN START VACUUM PRESS. (" HG):	-29.9	
CAN STOP VACUUM PRESS. (" HG):	-5	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (FEET FROM SURFACE)**	**NOTES**
Top of Seal	9.00	
Top of Pack	10.00	
Probe Depth	15.00	

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SG02

PROJECT: Vital Brooklyn - Site EFGH		**PROJECT NO.:** 170655401	
LOCATION: Brooklyn, NY		**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services Corp.		**INSTALLATION DATE STARTED:** 4/23/2021	**DATE FINISHED:** 4/23/2021
INSTALLATION FOREMAN: Tim Kelly		**SAMPLE DATE STARTED:** 4/23/2021	**DATE FINISHED:** 4/23/2021
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT		**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister	
INSPECTOR: Tyler Zorn		**SAMPLER:** Tyler Zorn	
POTENTIAL SAMPLE INTERFERENCES: None		**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 63-65 °F Wind: NW 10 mph Precipitation: N/A Pressure: 29.91 inHG	

METHOD OF INSTALLATION AND PURGING:
Advance Geoprobe 6610 DT to 8 feet below grade surface (bgs). Install 2-inch soil vapor probe at 8 feet bgs, backfill with No. 2 sand to 5 feet bgs, seal with hydrated bentonite to 4 feet bgs, backfill with No. 2 sand to 1 foot bgs, and seal to surface with hydrated bentonite. Following sampling, tubing and probe were removed and the borehole was backfilled with clean sand and patched with hydrated bentonite.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.40	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	1.8	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	13.4%	11.9%
HELIUM TEST IN TUBE (PPM):	0.0	0.0
SAMPLE START TIME:	8:02	
SAMPLE STOP TIME:	10:02	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (L/MIN):	0.05	
VOLUME OF SAMPLE (LITERS):	6 L	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	20947	
REGULATOR SERIAL NUMBER:	5610	
CAN START VACUUM PRESS. (" HG):	-28.0	
CAN STOP VACUUM PRESS. (" HG):	-5	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (FEET FROM SURFACE)**	**NOTES**
Top of Seal	4.00	
Top of Pack	5.00	
Probe Depth	8.00	

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SSSG01

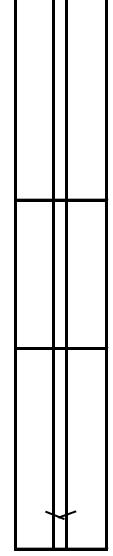
PROJECT: Vital Brooklyn - Site EFGH	**PROJECT NO.:** 170655401	
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services Corp.	**INSTALLATION DATE STARTED:** 4/22/2021	**DATE FINISHED:** 4/22/2021
INSTALLATION FOREMAN: Tim Kelly	**SAMPLE DATE STARTED:** 4/22/2021	**DATE FINISHED:** 4/22/2021
INSTALLATION EQUIPMENT: Electric Hammer Drill	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister	
INSPECTOR: Tyler Zorn	**SAMPLER:** Tyler Zorn	
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 46-50 °F Wind: WNW 10 mph Precipitation: N/A Pressure: 29.83 inHG	

METHOD OF INSTALLATION AND PURGING:
Advance subslab vapor point to 3-inches below the bottom of the slab. A small amount of No. 2 sand was backfilled into the borehole to set the vapor tubing. No. 2 sand was backfilled around the tubing to 3 inch bgs, and the remainder of the borehole was sealed with bentonite. Following sampling, tubing was removed and the borehole was patched with hydrated bentonite.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 1-1/8-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.40	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	1.2	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	16.1%	12.4.%
HELIUM TEST IN TUBE (PPM):	0.0	0.0
SAMPLE START TIME:	10:56	
SAMPLE STOP TIME:	12:56	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (L/MIN):	0.05	
VOLUME OF SAMPLE (LITERS):	6 L	
PID AFTER SAMPLE (PPM):	0.0	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	28853	
REGULATOR SERIAL NUMBER:	13562	
CAN START VACUUM PRESS. (" HG):	-29.5	
CAN STOP VACUUM PRESS. (" HG):	-6	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



	DEPTH (FEET FROM SURFACE)
Top of Seal	0.083
Top of Pack	0.25
Tube Depth	0.5

NOTES

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

APPENDIX E

Laboratory Analytical Reports

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

Report Date: 04/30/2021
Client Project ID: 170655401
York Project (SDG) No.: 21D1065

Report Date: 04/30/2021
Client Project ID: 170655401
York Project (SDG) No.: 21D1065

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 22, 2021 and listed below. The project was identified as your project: **170655401**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21D1065-01	SB01_0-2	Soil	04/22/2021	04/22/2021
21D1065-03	SB02_0-2	Soil	04/22/2021	04/22/2021
21D1065-06	SB03_14-16	Soil	04/22/2021	04/22/2021
21D1065-07	SB04_2-4	Soil	04/22/2021	04/22/2021
21D1065-09	SB05_10-12	Soil	04/22/2021	04/22/2021
21D1065-11	SB06_1-3	Soil	04/22/2021	04/22/2021
21D1065-13	SODUP01_042221	Soil	04/22/2021	04/22/2021

General Notes for York Project (SDG) No.: 21D1065

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

Approved By: 

Date: 04/30/2021

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SB01_0-2 **York Sample ID:** 21D1065-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 10:00 am	04/22/2021

Volatiles, 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	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB01_0-2 **York Sample ID:** 21D1065-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 10:00 am	04/22/2021

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB01_0-2 **York Sample ID:** 21D1065-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 10:00 am	04/22/2021

Volatiles, 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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB01_0-2 **York Sample ID:** 21D1065-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 10:00 am	04/22/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C	04/27/2021 06:47	04/27/2021 20:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.4 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*112 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

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	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB01_0-2 **York Sample ID:** 21D1065-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 10:00 am	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	0.0466	0.0929	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications:	04/29/2021 07:56 NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications:	04/29/2021 07:56 NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
62-53-3	Aniline	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications:	04/29/2021 07:56 NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
120-12-7	**Anthracene**	**0.0929**		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications:	04/29/2021 07:56 NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications:	04/29/2021 07:56 NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH
92-87-5	Benzidine	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,PADEP	04/29/2021 15:57	KH
56-55-3	**Benzo(a)anthracene**	**0.309**		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications:	04/29/2021 07:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 15:57	KH

Sample Information

Client Sample ID: SB01_0-2 **York Sample ID:** 21D1065-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 10:00 am	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.312**		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.265**		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.213**		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.268**		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.128**		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.313**		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.0617**	J	mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.612**		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB01_0-2 **York Sample ID:** 21D1065-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 10:00 am	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.218**		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.348**		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.551**		mg/kg dry	0.0466	0.0929	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.186	0.372	2	EPA 8270D	04/29/2021 07:56	04/29/2021 15:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*59.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*64.5 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*66.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*65.3 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*78.4 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*75.6 %*	*24-116*

Sample Information

Client Sample ID: SB01_0-2 **York Sample ID:** 21D1065-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 10:00 am	04/22/2021

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**	**0.0133**		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	**4,4'-DDE**	**0.0535**		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	**4,4'-DDT**	**0.0392**		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	**alpha-Chlordane**	**0.163**		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	**Dieldrin**	**0.00981**		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	**gamma-Chlordane**	**0.0590**		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.183	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB01_0-2 **York Sample ID:** 21D1065-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 10:00 am	04/22/2021

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
57-74-9	*** Chlordane, total**	**0.597**		mg/kg dry	0.0367	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*73.2 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*44.2 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*72.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*40.0 %*	*30-120*

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0225	1	EPA 8151A	04/28/2021 07:44	04/28/2021 18:01	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB01_0-2 **York Sample ID:** 21D1065-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 10:00 am	04/22/2021

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0225	1	EPA 8151A	04/28/2021 07:44	04/28/2021 18:01	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0225	1	EPA 8151A	04/28/2021 07:44	04/28/2021 18:01	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (*	*65.8 %*	*21-150*

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**	**8430**		mg/kg dry	5.66	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.83	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**6.84**		mg/kg dry	1.70	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**70.2**		mg/kg dry	2.83	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	**Cadmium**	**0.647**		mg/kg dry	0.340	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**2770**	B	mg/kg dry	5.66	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**21.1**		mg/kg dry	0.566	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**4.67**		mg/kg dry	0.453	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**37.3**		mg/kg dry	2.27	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**12300**		mg/kg dry	28.3	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**160**		mg/kg dry	0.566	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**1930**		mg/kg dry	5.66	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**181**		mg/kg dry	0.566	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**17.8**		mg/kg dry	1.13	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB01_0-2 **York Sample ID:** 21D1065-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 10:00 am	04/22/2021

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
7440-09-7	**Potassium**	**671**		mg/kg dry	5.66	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.83	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.566	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	ND		mg/kg dry	56.6	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.83	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**37.7**		mg/kg dry	1.13	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**123**		mg/kg dry	2.83	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:25	WJM
							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**	**0.498**		mg/kg dry	0.0340	1	EPA 7473	04/27/2021 09:49	04/27/2021 14:43	AD
							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**	**88.3**		%	0.100	1	SM 2540G	04/27/2021 08:10	04/27/2021 15:07	SK
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB02_0-2 **York Sample ID:** 21D1065-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 1:15 pm	04/22/2021

Volatiles, 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	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.097	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB02_0-2 **York Sample ID:** 21D1065-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 1:15 pm	04/22/2021

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.010**		mg/kg dry	0.0049	0.0097	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB02_0-2 **York Sample ID:** 21D1065-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 1:15 pm	04/22/2021

Volatiles, 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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	**Methyl acetate**	**0.038**		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB02_0-2 **York Sample ID:** 21D1065-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 1:15 pm	04/22/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C	04/27/2021 06:47	04/27/2021 21:52	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.5 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*110 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

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	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB02_0-2 **York Sample ID:** 21D1065-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 1:15 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.115**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.182	0.363	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.186**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.363	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.753**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB02_0-2 **York Sample ID:** 21D1065-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 1:15 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.806**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.661**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.637**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.654**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.791**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.189**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**1.18**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB02_0-2 **York Sample ID:** 21D1065-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 1:15 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.579**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.605**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**1.31**		mg/kg dry	0.0455	0.0907	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.182	0.363	2	EPA 8270D	04/29/2021 07:56	04/29/2021 16:58	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*14.4 %*	S-Alk	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*35.5 %*		*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*47.6 %*		*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*47.7 %*		*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*2.20 %*	S-Alk	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*51.7 %*		*24-116*

Sample Information

Client Sample ID: SB02_0-2 **York Sample ID:** 21D1065-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 1:15 pm	04/22/2021

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	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.181	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB02_0-2 **York Sample ID:** 21D1065-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 1:15 pm	04/22/2021

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
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0363	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:58	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*90.7 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*48.4 %*	*30-150*

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:49	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:49	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:49	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:49	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*84.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*57.5 %*	*30-120*

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0220	1	EPA 8151A	04/28/2021 07:44	04/28/2021 18:12	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB02_0-2 **York Sample ID:** 21D1065-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 1:15 pm	04/22/2021

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0220	1	EPA 8151A	04/28/2021 07:44	04/28/2021 18:12	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0220	1	EPA 8151A	04/28/2021 07:44	04/28/2021 18:12	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (*	*34.4 %*	*21-150*

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**	**8130**		mg/kg dry	5.53	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.76	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**5.00**		mg/kg dry	1.66	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**165**		mg/kg dry	2.76	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	**Cadmium**	**0.514**		mg/kg dry	0.332	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**48500**	B	mg/kg dry	5.53	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**14.5**		mg/kg dry	0.553	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**6.02**		mg/kg dry	0.442	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**78.7**		mg/kg dry	2.21	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**15300**		mg/kg dry	27.6	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**167**		mg/kg dry	0.553	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**3260**		mg/kg dry	5.53	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**328**		mg/kg dry	0.553	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**36.3**		mg/kg dry	1.11	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB02_0-2 **York Sample ID:** 21D1065-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 1:15 pm	04/22/2021

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
7440-09-7	**Potassium**	**971**		mg/kg dry	5.53	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.76	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.553	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**172**		mg/kg dry	55.3	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.76	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**24.1**		mg/kg dry	1.11	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**245**		mg/kg dry	2.76	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:28	WJM
							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**	**1.78**		mg/kg dry	0.0332	1	EPA 7473	04/27/2021 09:49	04/27/2021 12:59	AD
							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**	**90.4**		%	0.100	1	SM 2540G	04/27/2021 08:10	04/27/2021 15:07	SK
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SB03_14-16** **York Sample ID:** **21D1065-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 12:25 pm	04/22/2021

Volatiles, 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	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.033	0.067	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0040**		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB03_14-16 **York Sample ID:** 21D1065-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 12:25 pm	04/22/2021

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	**4-Methyl-2-pentanone**	**0.0017**	J	mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.011**	ICV-E	mg/kg dry	0.0033	0.0067	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB03_14-16 **York Sample ID:** 21D1065-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 12:25 pm	04/22/2021

Volatiles, 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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	**Methyl acetate**	**0.0037**		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.0019**	J	mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB03_14-16 **York Sample ID:** 21D1065-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 12:25 pm	04/22/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:57	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

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**	**0.310**		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.468**		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB03_14-16 **York Sample ID:** 21D1065-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 12:25 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**4.93**		mg/kg dry	0.236	0.470	10	EPA 8270D	04/29/2021 07:56	04/29/2021 17:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.216**		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.188	0.377	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**19.9**		mg/kg dry	0.589	1.18	25	EPA 8270D	04/29/2021 07:56	04/29/2021 17:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**26.8**		mg/kg dry	0.589	1.18	25	EPA 8270D	04/29/2021 07:56	04/29/2021 17:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB03_14-16 **York Sample ID:** 21D1065-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 12:25 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**24.9**		mg/kg dry	0.589	1.18	25	EPA 8270D	04/29/2021 07:56	04/29/2021 17:28	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**21.2**		mg/kg dry	0.589	1.18	25	EPA 8270D	04/29/2021 07:56	04/29/2021 17:28	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	**Benzo(g,h,i)perylene**	**14.9**		mg/kg dry	0.236	0.470	10	EPA 8270D	04/29/2021 07:56	04/29/2021 17:59	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	**Benzo(k)fluoranthene**	**15.0**		mg/kg dry	0.236	0.470	10	EPA 8270D	04/29/2021 07:56	04/29/2021 17:59	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
65-85-0	Benzoic acid	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
105-60-2	Caprolactam	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
86-74-8	**Carbazole**	**4.47**		mg/kg dry	0.236	0.470	10	EPA 8270D	04/29/2021 07:56	04/29/2021 17:59	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**23.3**		mg/kg dry	0.589	1.18	25	EPA 8270D	04/29/2021 07:56	04/29/2021 17:28	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	**Dibenzo(a,h)anthracene**	**5.39**		mg/kg dry	0.236	0.470	10	EPA 8270D	04/29/2021 07:56	04/29/2021 17:59	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
132-64-9	**Dibenzofuran**	**5.06**		mg/kg dry	0.236	0.470	10	EPA 8270D	04/29/2021 07:56	04/29/2021 17:59	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
122-39-4	Diphenylamine	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**81.6**		mg/kg dry	2.36	4.70	100	EPA 8270D	04/29/2021 07:56	04/30/2021 10:11	CD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB03_14-16 **York Sample ID:** 21D1065-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 12:25 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**7.18**		mg/kg dry	0.236	0.470	10	EPA 8270D	04/29/2021 07:56	04/29/2021 17:59	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**14.9**		mg/kg dry	0.236	0.470	10	EPA 8270D	04/29/2021 07:56	04/29/2021 17:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.357**		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**79.0**		mg/kg dry	2.36	4.70	100	EPA 8270D	04/29/2021 07:56	04/30/2021 10:11	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**65.0**		mg/kg dry	2.36	4.70	100	EPA 8270D	04/29/2021 07:56	04/30/2021 10:11	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D	04/29/2021 07:56	04/29/2021 18:29	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*67.2 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*69.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*72.5 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*68.9 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*78.1 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*80.2 %*	*24-116*

Sample Information

Client Sample ID: SB03_14-16 **York Sample ID:** 21D1065-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 12:25 pm	04/22/2021

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:03	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:03	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:03	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:03	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:03	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:03	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:03	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0189	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:03	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0189	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:03	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:03	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*50.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*36.5 %*	*30-120*

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**	**10800**		mg/kg dry	5.73	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.87	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/kg dry	1.72	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**45.0**		mg/kg dry	2.87	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.344	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**2800**	B	mg/kg dry	5.73	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB03_14-16 **York Sample ID:** 21D1065-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 12:25 pm	04/22/2021

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
7440-47-3	**Chromium**	**17.6**		mg/kg dry	0.573	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**7.41**		mg/kg dry	0.458	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**14.1**		mg/kg dry	2.29	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**20300**		mg/kg dry	28.7	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**21.6**		mg/kg dry	0.573	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3120**		mg/kg dry	5.73	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**185**		mg/kg dry	0.573	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**13.6**		mg/kg dry	1.15	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**2720**		mg/kg dry	5.73	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.87	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.573	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**78.5**		mg/kg dry	57.3	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.87	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**26.7**		mg/kg dry	1.15	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**35.9**		mg/kg dry	2.87	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:31	WJM
							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**	**0.0983**		mg/kg dry	0.0344	1	EPA 7473	04/27/2021 09:49	04/27/2021 13:14	AD
							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

Sample Information

Client Sample ID: **SB03_14-16** **York Sample ID:** **21D1065-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 12:25 pm	04/22/2021

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**	**87.2**		%	0.100	1	SM 2540G	04/27/2021 08:10	04/27/2021 15:07	SK
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB04_2-4 **York Sample ID:** 21D1065-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 3:25 pm	04/22/2021

Volatiles, 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	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.093	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB04_2-4 **York Sample ID:** 21D1065-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 3:25 pm	04/22/2021

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB04_2-4 **York Sample ID:** 21D1065-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 3:25 pm	04/22/2021

Volatiles, 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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB04_2-4 **York Sample ID:** 21D1065-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 3:25 pm	04/22/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:24	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*109 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*113 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

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**	**0.183**		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.434**		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB04_2-4 **York Sample ID:** 21D1065-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 3:25 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	**4-Nitroaniline**	**0.979**		mg/kg dry	0.0898	0.179	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.852**		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.267**		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.180	0.360	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**4.35**		mg/kg dry	0.113	0.225	5	EPA 8270D	04/29/2021 07:56	04/29/2021 18:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**6.92**		mg/kg dry	0.113	0.225	5	EPA 8270D	04/29/2021 07:56	04/29/2021 18:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB04_2-4 **York Sample ID:** 21D1065-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 3:25 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**6.11**		mg/kg dry	0.113	0.225	5	EPA 8270D	04/29/2021 07:56	04/29/2021 18:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**5.12**		mg/kg dry	0.113	0.225	5	EPA 8270D	04/29/2021 07:56	04/29/2021 18:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**4.08**		mg/kg dry	0.113	0.225	5	EPA 8270D	04/29/2021 07:56	04/29/2021 18:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**4.69**		mg/kg dry	0.113	0.225	5	EPA 8270D	04/29/2021 07:56	04/29/2021 18:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**1.37**		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**6.29**		mg/kg dry	0.113	0.225	5	EPA 8270D	04/29/2021 07:56	04/29/2021 18:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**1.35**		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	**Dibenzofuran**	**1.38**		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**19.8**		mg/kg dry	0.450	0.898	20	EPA 8270D	04/29/2021 07:56	04/30/2021 10:42	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB04_2-4 **York Sample ID:** 21D1065-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 3:25 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.821**		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.06**		mg/kg dry	0.113	0.225	5	EPA 8270D	04/29/2021 07:56	04/29/2021 18:59	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.574**		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**20.5**		mg/kg dry	0.450	0.898	20	EPA 8270D	04/29/2021 07:56	04/30/2021 10:42	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**15.0**		mg/kg dry	0.450	0.898	20	EPA 8270D	04/29/2021 07:56	04/30/2021 10:42	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D	04/29/2021 07:56	04/29/2021 19:30	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*69.9 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*72.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*81.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*77.2 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*88.5 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*87.0 %*	*24-116*

Sample Information

Client Sample ID: SB04_2-4 **York Sample ID:** 21D1065-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 3:25 pm	04/22/2021

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:16	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:16	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:16	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:16	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:16	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:16	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:16	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0180	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:16	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0180	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:16	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:16	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*81.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*57.5 %*	*30-120*

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**	**5140**		mg/kg dry	5.48	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**63.2**		mg/kg dry	2.74	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**16.1**		mg/kg dry	1.64	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**319**		mg/kg dry	2.74	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**2.46**		mg/kg dry	0.329	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**8880**	B	mg/kg dry	5.48	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB04_2-4 **York Sample ID:** 21D1065-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 3:25 pm	04/22/2021

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
7440-47-3	**Chromium**	**13.7**		mg/kg dry	0.548	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.83**		mg/kg dry	0.438	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**288**		mg/kg dry	2.19	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**65500**		mg/kg dry	27.4	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**6570**		mg/kg dry	0.548	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2020**		mg/kg dry	5.48	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**462**		mg/kg dry	0.548	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**19.7**		mg/kg dry	1.10	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**945**		mg/kg dry	5.48	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.74	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.548	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**137**		mg/kg dry	54.8	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.74	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**17.9**		mg/kg dry	1.10	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**1020**		mg/kg dry	2.74	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:34	WJM
							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**	**0.943**		mg/kg dry	0.0329	1	EPA 7473	04/27/2021 09:49	04/27/2021 13:24	AD
							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

Sample Information

Client Sample ID: SB04_2-4 **York Sample ID:** 21D1065-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 3:25 pm	04/22/2021

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	91.3		%	0.100	1	SM 2540G	04/27/2021 08:10	04/27/2021 15:07	SK
							Certifications: CTDOH			

Sample Information

Client Sample ID: **SB05_10-12** **York Sample ID:** **21D1065-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 11:20 am	04/22/2021

Volatiles, 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	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB05_10-12 **York Sample ID:** 21D1065-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 11:20 am	04/22/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0071**	J	mg/kg dry	0.0051	0.010	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB05_10-12 **York Sample ID:** 21D1065-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 11:20 am	04/22/2021

Volatiles, 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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	**Methyl acetate**	**0.013**		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB05_10-12 **York Sample ID:** 21D1065-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 11:20 am	04/22/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C	04/27/2021 06:47	04/27/2021 14:14	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.6 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.1 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

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	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB05_10-12 **York Sample ID:** 21D1065-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 11:20 am	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.0657**	J	mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**0.192**		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB05_10-12 **York Sample ID:** 21D1065-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 11:20 am	04/22/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**0.189**		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.150**		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.134**		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.155**		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	**Benzyl butyl phthalate**	**0.304**		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.0850**	J	mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**0.177**		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.346**		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB05_10-12 **York Sample ID:** 21D1065-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 11:20 am	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.133**		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.264**		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.295**		mg/kg dry	0.0463	0.0924	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:00	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*35.5 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*36.2 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*42.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*39.6 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*40.2 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*44.4 %*	*24-116*

Sample Information

Client Sample ID: SB05_10-12 **York Sample ID:** 21D1065-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 11:20 am	04/22/2021

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:30	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:30	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:30	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:30	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:30	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:30	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:30	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:30	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:30	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:30	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*83.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*59.5 %*	*30-120*

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**	**5330**		mg/kg dry	5.63	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.82	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**4.82**		mg/kg dry	1.69	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**45.7**		mg/kg dry	2.82	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.338	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**4000**	B	mg/kg dry	5.63	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB05_10-12 **York Sample ID:** 21D1065-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 11:20 am	04/22/2021

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
7440-47-3	**Chromium**	**16.9**		mg/kg dry	0.563	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**4.62**		mg/kg dry	0.451	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**25.0**		mg/kg dry	2.25	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**11400**		mg/kg dry	28.2	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**78.9**		mg/kg dry	0.563	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**1710**		mg/kg dry	5.63	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**232**		mg/kg dry	0.563	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**15.3**		mg/kg dry	1.13	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**875**		mg/kg dry	5.63	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.82	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.563	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**124**		mg/kg dry	56.3	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.82	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**21.5**		mg/kg dry	1.13	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**92.2**		mg/kg dry	2.82	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:37	WJM
							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**	**0.162**		mg/kg dry	0.0338	1	EPA 7473	04/27/2021 09:49	04/27/2021 13:42	AD
							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

Sample Information

Client Sample ID: **SB05_10-12** **York Sample ID:** **21D1065-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 11:20 am	04/22/2021

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**	**88.8**		%	0.100	1	SM 2540G	04/27/2021 08:10	04/27/2021 15:07	SK
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB06_1-3 **York Sample ID:** 21D1065-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

Volatiles, 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	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.099	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB06_1-3 **York Sample ID:** 21D1065-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB06_1-3 **York Sample ID:** 21D1065-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

Volatiles, 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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SB06_1-3 **York Sample ID:** 21D1065-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:06	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*96.8 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.9 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

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	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.0805**	J	mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB06_1-3 **York Sample ID:** 21D1065-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.198**		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.0819**	J	mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.177	0.354	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.489**		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.177	0.354	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**1.09**		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB06_1-3 **York Sample ID:** 21D1065-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**1.05**		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**0.874**		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**0.731**		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**0.850**		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.204**		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**1.11**		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.240**		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	**Dibenzofuran**	**0.114**		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**2.31**		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB06_1-3 **York Sample ID:** 21D1065-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.204**		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.686**		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.0819**	J	mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**2.04**		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**2.09**		mg/kg dry	0.0443	0.0883	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.177	0.354	2	EPA 8270D	04/29/2021 07:56	04/29/2021 20:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*42.9 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*44.5 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*50.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*47.9 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*54.5 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*51.9 %*	*24-116*

Sample Information

Client Sample ID: SB06_1-3 **York Sample ID:** 21D1065-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:43	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:43	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:43	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:43	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:43	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:43	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:43	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:43	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:43	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:43	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*80.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*58.0 %*	*30-120*

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**	**4810**		mg/kg dry	5.38	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.69	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**9.10**		mg/kg dry	1.61	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**112**		mg/kg dry	2.69	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.448**		mg/kg dry	0.323	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**9210**	B	mg/kg dry	5.38	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB06_1-3 **York Sample ID:** 21D1065-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

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
7440-47-3	**Chromium**	**11.4**		mg/kg dry	0.538	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**4.95**		mg/kg dry	0.431	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**58.1**		mg/kg dry	2.15	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**16200**		mg/kg dry	26.9	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**142**		mg/kg dry	0.538	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**5490**		mg/kg dry	5.38	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**185**		mg/kg dry	0.538	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**16.5**		mg/kg dry	1.08	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**509**		mg/kg dry	5.38	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.69	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.538	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**115**		mg/kg dry	53.8	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.69	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**20.5**		mg/kg dry	1.08	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**154**		mg/kg dry	2.69	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:40	WJM
							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**	**0.229**		mg/kg dry	0.0323	1	EPA 7473	04/27/2021 09:49	04/27/2021 13:52	AD
							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

Sample Information

Client Sample ID: SB06_1-3 **York Sample ID:** 21D1065-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

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	92.9		%	0.100	1	SM 2540G	04/27/2021 08:10	04/27/2021 15:07	SK
							Certifications: CTDOH			

Sample Information

Client Sample ID: SODUP01_042221 **York Sample ID:** 21D1065-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

Volatiles, 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	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.084	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SODUP01_042221 **York Sample ID:** 21D1065-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

Volatiles, 8260 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SODUP01_042221 **York Sample ID:** 21D1065-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

Volatiles, 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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SODUP01_042221 **York Sample ID:** 21D1065-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C	04/27/2021 06:47	04/27/2021 15:58	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.0 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.8 %*	*76-130*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

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	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	**2-Methylnaphthalene**	**0.0792**	J	mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SODUP01_042221 **York Sample ID:** 21D1065-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

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	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**0.198**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**0.135**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		mg/kg dry	0.174	0.348	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**0.537**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.174	0.348	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**1.43**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SODUP01_042221 **York Sample ID:** 21D1065-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	**Benzo(a)pyrene**	**1.42**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**1.22**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	**Benzo(g,h,i)perylene**	**1.04**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	**Benzo(k)fluoranthene**	**1.19**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
65-85-0	Benzoic acid	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
105-60-2	Caprolactam	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
86-74-8	**Carbazole**	**0.299**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**1.40**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	**Dibenzo(a,h)anthracene**	**0.367**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
132-64-9	**Dibenzofuran**	**0.146**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
122-39-4	Diphenylamine	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**2.75**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SODUP01_042221 **York Sample ID:** 21D1065-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	**Fluorene**	**0.201**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1.05**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.136**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**2.20**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**2.50**		mg/kg dry	0.0436	0.0869	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		mg/kg dry	0.174	0.348	2	EPA 8270D	04/29/2021 07:56	04/29/2021 21:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*46.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*47.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*56.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*53.3 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*60.2 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*56.3 %*	*24-116*

Sample Information

Client Sample ID: SODUP01_042221 **York Sample ID:** 21D1065-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

Polychlorinated Biphenyls (PCB), 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:57	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:57	BJ
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0175	1	EPA 8082A	04/26/2021 13:37	04/27/2021 17:57	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*75.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*56.5 %*	*30-120*

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**	**4450**		mg/kg dry	5.30	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.65	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**3.78**		mg/kg dry	1.59	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**64.9**		mg/kg dry	2.65	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.318	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**3660**	B	mg/kg dry	5.30	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SODUP01_042221 **York Sample ID:** 21D1065-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

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
7440-47-3	**Chromium**	**10.6**		mg/kg dry	0.530	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**4.45**		mg/kg dry	0.424	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**41.5**		mg/kg dry	2.12	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**13700**		mg/kg dry	26.5	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**77.8**		mg/kg dry	0.530	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2530**		mg/kg dry	5.30	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**209**		mg/kg dry	0.530	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**11.8**		mg/kg dry	1.06	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**735**		mg/kg dry	5.30	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.65	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.530	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**81.0**		mg/kg dry	53.0	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.65	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**18.9**		mg/kg dry	1.06	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**75.7**		mg/kg dry	2.65	1	EPA 6010D	04/23/2021 18:48	04/27/2021 15:42	WJM
							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**	**0.129**		mg/kg dry	0.0318	1	EPA 7473	04/27/2021 09:49	04/27/2021 14:02	AD
							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

Sample Information

Client Sample ID: SODUP01_042221 **York Sample ID:** 21D1065-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1065	170655401	Soil	April 22, 2021 2:10 pm	04/22/2021

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	94.4		%	0.100	1	SM 2540G	04/27/2021 08:10	04/27/2021 15:07	SK
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BD11335 **Preparation Method:** EPA 3050B **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-01	SB01_0-2	04/23/21
21D1065-03	SB02_0-2	04/23/21
21D1065-06	SB03_14-16	04/23/21
21D1065-07	SB04_2-4	04/23/21
21D1065-09	SB05_10-12	04/23/21
21D1065-11	SB06_1-3	04/23/21
21D1065-13	SODUP01_042221	04/23/21
BD11335-BLK1	Blank	04/23/21
BD11335-DUP1	Duplicate	04/23/21
BD11335-MS1	Matrix Spike	04/23/21
BD11335-PS1	Post Spike	04/23/21
BD11335-SRM1	Reference	04/23/21

Batch ID: BD11384 **Preparation Method:** EPA 3550C **Prepared By:** SAK

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-01	SB01_0-2	04/26/21
21D1065-01	SB01_0-2	04/26/21
21D1065-03	SB02_0-2	04/26/21
21D1065-03	SB02_0-2	04/26/21
21D1065-06	SB03_14-16	04/26/21
21D1065-07	SB04_2-4	04/26/21
21D1065-09	SB05_10-12	04/26/21
21D1065-11	SB06_1-3	04/26/21
21D1065-13	SODUP01_042221	04/26/21
BD11384-BLK1	Blank	04/26/21
BD11384-BLK2	Blank	04/26/21
BD11384-BS1	LCS	04/26/21
BD11384-BS2	LCS	04/26/21
BD11384-MS1	Matrix Spike	04/26/21
BD11384-MS2	Matrix Spike	04/26/21
BD11384-MSD1	Matrix Spike Dup	04/26/21
BD11384-MSD2	Matrix Spike Dup	04/26/21

Batch ID: BD11430 **Preparation Method:** % Solids Prep **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-01	SB01_0-2	04/27/21
21D1065-03	SB02_0-2	04/27/21
21D1065-06	SB03_14-16	04/27/21
21D1065-07	SB04_2-4	04/27/21
21D1065-09	SB05_10-12	04/27/21
21D1065-11	SB06_1-3	04/27/21
21D1065-13	SODUP01_042221	04/27/21
BD11430-DUP1	Duplicate	04/27/21

Batch ID: BD11447 **Preparation Method:** EPA 7473 soil **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-01	SB01_0-2	04/27/21
21D1065-03	SB02_0-2	04/27/21
21D1065-06	SB03_14-16	04/27/21
21D1065-07	SB04_2-4	04/27/21
21D1065-09	SB05_10-12	04/27/21
21D1065-11	SB06_1-3	04/27/21
21D1065-13	SODUP01_042221	04/27/21
BD11447-BLK1	Blank	04/27/21
BD11447-DUP1	Duplicate	04/27/21
BD11447-DUP2	Duplicate	04/27/21
BD11447-MS1	Matrix Spike	04/27/21
BD11447-MS2	Matrix Spike	04/27/21
BD11447-SRM1	Reference	04/27/21

Batch ID: BD11469 **Preparation Method:** EPA 5035A **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-01	SB01_0-2	04/27/21
21D1065-03	SB02_0-2	04/27/21
BD11469-BLK1	Blank	04/27/21
BD11469-BLK3	Blank	04/27/21
BD11469-BS1	LCS	04/27/21
BD11469-BSD1	LCS Dup	04/27/21

Batch ID: BD11470 **Preparation Method:** EPA 5035A **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-06	SB03_14-16	04/27/21
21D1065-07	SB04_2-4	04/27/21
BD11470-BLK1	Blank	04/27/21
BD11470-BLK2	Blank	04/27/21
BD11470-BS1	LCS	04/27/21
BD11470-BSD1	LCS Dup	04/27/21

Batch ID: BD11471 **Preparation Method:** EPA 5035A **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-09	SB05_10-12	04/27/21
21D1065-11	SB06_1-3	04/27/21
21D1065-13	SODUP01_042221	04/27/21
BD11471-BLK1	Blank	04/27/21
BD11471-BLK2	Blank	04/27/21
BD11471-BS1	LCS	04/27/21
BD11471-BSD1	LCS Dup	04/27/21

Batch ID: BD11490 **Preparation Method:** EPA 3550C/8151A **Prepared By:** S_K

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-01	SB01_0-2	04/28/21
21D1065-03	SB02_0-2	04/28/21
BD11490-BLK1	Blank	04/28/21
BD11490-BS1	LCS	04/28/21
BD11490-MS1	Matrix Spike	04/28/21
BD11490-MSD1	Matrix Spike Dup	04/28/21

Batch ID: BD11571 **Preparation Method:** EPA 3546 SVOA **Prepared By:** S_K

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-01	SB01_0-2	04/29/21
21D1065-03	SB02_0-2	04/29/21
21D1065-06	SB03_14-16	04/29/21
21D1065-06RE1	SB03_14-16	04/29/21
21D1065-06RE2	SB03_14-16	04/29/21
21D1065-06RE3	SB03_14-16	04/29/21
21D1065-07	SB04_2-4	04/29/21
21D1065-07RE1	SB04_2-4	04/29/21
21D1065-07RE2	SB04_2-4	04/29/21
21D1065-09	SB05_10-12	04/29/21
21D1065-11	SB06_1-3	04/29/21
21D1065-13	SODUP01_042221	04/29/21
BD11571-BS1	LCS	04/29/21
BD11571-MS1	Matrix Spike	04/29/21
BD11571-MSD1	Matrix Spike Dup	04/29/21

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 BD11469 - EPA 5035A											
Blank (BD11469-BLK1) Blank									Prepared & Analyzed: 04/27/2021		
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 BD11469 - EPA 5035A											
Blank (BD11469-BLK1) Blank									Prepared & Analyzed: 04/27/2021		
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	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.8*		*ug/L*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.6*		*"*	*50.0*		*97.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.1*		*"*	*50.0*		*108*	*76-130*				
Blank (BD11469-BLK3) Holding Blank- 21D1065									Prepared & Analyzed: 04/27/2021		
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	"								

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 BD11469 - EPA 5035A											
Blank (BD11469-BLK3) Holding Blank- 21D1065									Prepared & Analyzed: 04/27/2021		
Bromoform	ND	0.0050	mg/kg wet								
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	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*54.4*		*ug/L*	*50.0*		*109*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.8*		*"*	*50.0*		*97.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*56.8*		*"*	*50.0*		*114*	*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 BD11469 - EPA 5035A											
LCS (BD11469-BS1) LCS							Prepared & Analyzed: 04/27/2021				
1,1,1,2-Tetrachloroethane	49.5		ug/L	50.0		98.9	75-129				
1,1,1-Trichloroethane	49.6		"	50.0		99.2	71-137				
1,1,2,2-Tetrachloroethane	50.0		"	50.0		99.9	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	57.8		"	50.0		116	58-146				
1,1,2-Trichloroethane	49.4		"	50.0		98.8	83-123				
1,1-Dichloroethane	49.1		"	50.0		98.2	75-130				
1,1-Dichloroethylene	52.0		"	50.0		104	64-137				
1,2,3-Trichlorobenzene	50.1		"	50.0		100	81-140				
1,2,3-Trichloropropane	48.2		"	50.0		96.3	81-126				
1,2,4-Trichlorobenzene	51.9		"	50.0		104	80-141				
1,2,4-Trimethylbenzene	50.5		"	50.0		101	84-125				
1,2-Dibromo-3-chloropropane	51.0		"	50.0		102	74-142				
1,2-Dibromoethane	50.2		"	50.0		100	86-123				
1,2-Dichlorobenzene	48.5		"	50.0		97.0	85-122				
1,2-Dichloroethane	49.2		"	50.0		98.4	71-133				
1,2-Dichloropropane	49.2		"	50.0		98.5	81-122				
1,3,5-Trimethylbenzene	49.8		"	50.0		99.5	82-126				
1,3-Dichlorobenzene	48.5		"	50.0		97.0	84-124				
1,4-Dichlorobenzene	48.4		"	50.0		96.9	84-124				
1,4-Dioxane	1070		"	1050		102	10-228				
2-Butanone	53.6		"	50.0		107	58-147				
2-Hexanone	48.6		"	50.0		97.2	70-139				
4-Methyl-2-pentanone	39.5		"	50.0		78.9	72-132				
Acetone	41.1		"	50.0		82.3	36-155				
Acrolein	43.7		"	50.0		87.4	10-238				
Acrylonitrile	52.6		"	50.0		105	66-141				
Benzene	50.1		"	50.0		100	77-127				
Bromochloromethane	48.2		"	50.0		96.4	74-129				
Bromodichloromethane	48.8		"	50.0		97.5	81-124				
Bromoform	47.5		"	50.0		95.1	80-136				
Bromomethane	46.9		"	50.0		93.7	32-177				
Carbon disulfide	55.4		"	50.0		111	10-136				
Carbon tetrachloride	50.7		"	50.0		101	66-143				
Chlorobenzene	48.9		"	50.0		97.8	86-120				
Chloroethane	56.4		"	50.0		113	51-142				
Chloroform	46.8		"	50.0		93.7	76-131				
Chloromethane	50.1		"	50.0		100	49-132				
cis-1,2-Dichloroethylene	49.8		"	50.0		99.7	74-132				
cis-1,3-Dichloropropylene	49.7		"	50.0		99.4	81-129				
Cyclohexane	50.1		"	50.0		100	70-130				
Dibromochloromethane	51.0		"	50.0		102	10-200				
Dibromomethane	46.8		"	50.0		93.5	83-124				
Dichlorodifluoromethane	60.8		"	50.0		122	28-158				
Ethyl Benzene	50.4		"	50.0		101	84-125				
Hexachlorobutadiene	53.0		"	50.0		106	83-133				
Isopropylbenzene	49.3		"	50.0		98.6	81-127				
Methyl acetate	46.4		"	50.0		92.8	41-143				
Methyl tert-butyl ether (MTBE)	51.4		"	50.0		103	74-131				
Methylcyclohexane	50.4		"	50.0		101	70-130				
Methylene chloride	51.7		"	50.0		103	57-141				
n-Butylbenzene	56.2		"	50.0		112	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

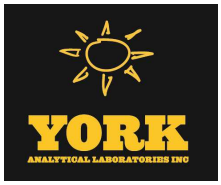
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD11469 - EPA 5035A											
LCS (BD11469-BS1) LCS								Prepared & Analyzed: 04/27/2021			
n-Propylbenzene	48.5		ug/L	50.0		97.1	74-136				
o-Xylene	49.8		"	50.0		99.5	83-123				
p- & m- Xylenes	101		"	100		101	82-128				
p-Isopropyltoluene	50.9		"	50.0		102	85-125				
sec-Butylbenzene	52.1		"	50.0		104	83-125				
Styrene	51.0		"	50.0		102	86-126				
tert-Butyl alcohol (TBA)	242		"	250		96.7	70-130				
tert-Butylbenzene	42.8		"	50.0		85.6	80-127				
Tetrachloroethylene	46.0		"	50.0		91.9	80-129				
Toluene	49.0		"	50.0		98.0	85-121				
trans-1,2-Dichloroethylene	53.7		"	50.0		107	72-132				
trans-1,3-Dichloropropylene	49.6		"	50.0		99.2	78-132				
Trichloroethylene	49.8		"	50.0		99.6	84-123				
Trichlorofluoromethane	55.6		"	50.0		111	62-140				
Vinyl Chloride	54.6		"	50.0		109	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.5*		*"*	*50.0*		*98.9*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.4*		*"*	*50.0*		*98.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.4*		*"*	*50.0*		*98.9*	*76-130*				
LCS Dup (BD11469-BSD1) LCS Dup								Prepared & Analyzed: 04/27/2021			
1,1,1,2-Tetrachloroethane	52.8		ug/L	50.0		106	75-129		6.61	30	
1,1,1-Trichloroethane	53.6		"	50.0		107	71-137		7.71	30	
1,1,2,2-Tetrachloroethane	54.2		"	50.0		108	79-129		8.19	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	61.7		"	50.0		123	58-146		6.39	30	
1,1,2-Trichloroethane	53.7		"	50.0		107	83-123		8.32	30	
1,1-Dichloroethane	52.9		"	50.0		106	75-130		7.41	30	
1,1-Dichloroethylene	55.1		"	50.0		110	64-137		5.79	30	
1,2,3-Trichlorobenzene	53.4		"	50.0		107	81-140		6.55	30	
1,2,3-Trichloropropane	52.5		"	50.0		105	81-126		8.62	30	
1,2,4-Trichlorobenzene	54.5		"	50.0		109	80-141		4.83	30	
1,2,4-Trimethylbenzene	55.5		"	50.0		111	84-125		9.57	30	
1,2-Dibromo-3-chloropropane	56.5		"	50.0		113	74-142		10.3	30	
1,2-Dibromoethane	54.9		"	50.0		110	86-123		8.79	30	
1,2-Dichlorobenzene	52.0		"	50.0		104	85-122		6.85	30	
1,2-Dichloroethane	53.2		"	50.0		106	71-133		7.85	30	
1,2-Dichloropropane	55.1		"	50.0		110	81-122		11.2	30	
1,3,5-Trimethylbenzene	54.8		"	50.0		110	82-126		9.75	30	
1,3-Dichlorobenzene	52.4		"	50.0		105	84-124		7.63	30	
1,4-Dichlorobenzene	52.5		"	50.0		105	84-124		8.02	30	
1,4-Dioxane	1140		"	1050		108	10-228		5.86	30	
2-Butanone	60.1		"	50.0		120	58-147		11.5	30	
2-Hexanone	56.5		"	50.0		113	70-139		15.0	30	
4-Methyl-2-pentanone	44.9		"	50.0		89.9	72-132		12.9	30	
Acetone	46.4		"	50.0		92.7	36-155		12.0	30	
Acrolein	47.7		"	50.0		95.4	10-238		8.77	30	
Acrylonitrile	55.8		"	50.0		112	66-141		5.85	30	
Benzene	54.0		"	50.0		108	77-127		7.36	30	
Bromochloromethane	52.1		"	50.0		104	74-129		7.86	30	
Bromodichloromethane	54.4		"	50.0		109	81-124		11.0	30	
Bromoform	51.7		"	50.0		103	80-136		8.40	30	
Bromomethane	52.0		"	50.0		104	32-177		10.4	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 BD11469 - EPA 5035A											
LCS Dup (BD11469-BSD1) LCS Dup							Prepared & Analyzed: 04/27/2021				
Carbon disulfide	59.9		ug/L	50.0		120	10-136		7.70	30	
Carbon tetrachloride	54.6		"	50.0		109	66-143		7.35	30	
Chlorobenzene	52.7		"	50.0		105	86-120		7.40	30	
Chloroethane	60.1		"	50.0		120	51-142		6.44	30	
Chloroform	50.1		"	50.0		100	76-131		6.76	30	
Chloromethane	54.8		"	50.0		110	49-132		8.90	30	
cis-1,2-Dichloroethylene	54.4		"	50.0		109	74-132		8.75	30	
cis-1,3-Dichloropropylene	54.8		"	50.0		110	81-129		9.76	30	
Cyclohexane	54.1		"	50.0		108	70-130		7.58	30	
Dibromochloromethane	55.6		"	50.0		111	10-200		8.66	30	
Dibromomethane	51.9		"	50.0		104	83-124		10.5	30	
Dichlorodifluoromethane	65.1		"	50.0		130	28-158		6.78	30	
Ethyl Benzene	54.5		"	50.0		109	84-125		7.84	30	
Hexachlorobutadiene	54.9		"	50.0		110	83-133		3.50	30	
Isopropylbenzene	53.7		"	50.0		107	81-127		8.47	30	
Methyl acetate	50.7		"	50.0		101	41-143		8.90	30	
Methyl tert-butyl ether (MTBE)	55.1		"	50.0		110	74-131		6.99	30	
Methylcyclohexane	55.5		"	50.0		111	70-130		9.73	30	
Methylene chloride	56.7		"	50.0		113	57-141		9.22	30	
n-Butylbenzene	58.3		"	50.0		117	80-130		3.67	30	
n-Propylbenzene	53.1		"	50.0		106	74-136		8.95	30	
o-Xylene	54.3		"	50.0		109	83-123		8.76	30	
p- & m- Xylenes	111		"	100		111	82-128		8.78	30	
p-Isopropyltoluene	55.5		"	50.0		111	85-125		8.78	30	
sec-Butylbenzene	57.3		"	50.0		115	83-125		9.43	30	
Styrene	55.6		"	50.0		111	86-126		8.67	30	
tert-Butyl alcohol (TBA)	262		"	250		105	70-130		8.24	30	
tert-Butylbenzene	46.7		"	50.0		93.4	80-127		8.67	30	
Tetrachloroethylene	49.3		"	50.0		98.6	80-129		7.05	30	
Toluene	53.9		"	50.0		108	85-121		9.50	30	
trans-1,2-Dichloroethylene	58.8		"	50.0		118	72-132		9.19	30	
trans-1,3-Dichloropropylene	56.1		"	50.0		112	78-132		12.2	30	
Trichloroethylene	55.2		"	50.0		110	84-123		10.3	30	
Trichlorofluoromethane	59.9		"	50.0		120	62-140		7.42	30	
Vinyl Chloride	58.4		"	50.0		117	52-130		6.80	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.6*		*"*	*50.0*		*99.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.1*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.4*		*"*	*50.0*		*101*	*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 BD11470 - EPA 5035A											
Blank (BD11470-BLK1) Blank									Prepared & Analyzed: 04/27/2021		
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	"								
n-Butylbenzene	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 BD11470 - EPA 5035A											
Blank (BD11470-BLK1) Blank									Prepared & Analyzed: 04/27/2021		
n-Propylbenzene	ND	0.0050	mg/kg wet								
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	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.2*		*ug/L*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.8*		*"*	*50.0*		*99.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.0*		*"*	*50.0*		*100*	*76-130*				
Blank (BD11470-BLK2) HOLDING BLANK- 21D1191									Prepared & Analyzed: 04/27/2021		
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	"								

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 BD11470 - EPA 5035A											
Blank (BD11470-BLK2) HOLDING BLANK- 21D1191									Prepared & Analyzed: 04/27/2021		
Bromomethane	ND	0.0050	mg/kg wet								
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	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.4*		*ug/L*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.4*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.1*		*"*	*50.0*		*100*	*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 BD11470 - EPA 5035A											
LCS (BD11470-BS1) LCS							Prepared & Analyzed: 04/27/2021				
1,1,1,2-Tetrachloroethane	50.8		ug/L	50.0		102	75-129				
1,1,1-Trichloroethane	44.7		"	50.0		89.5	71-137				
1,1,2,2-Tetrachloroethane	58.1		"	50.0		116	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.0		"	50.0		102	58-146				
1,1,2-Trichloroethane	53.0		"	50.0		106	83-123				
1,1-Dichloroethane	45.0		"	50.0		90.0	75-130				
1,1-Dichloroethylene	43.8		"	50.0		87.7	64-137				
1,2,3-Trichlorobenzene	47.9		"	50.0		95.8	81-140				
1,2,3-Trichloropropane	50.8		"	50.0		102	81-126				
1,2,4-Trichlorobenzene	48.2		"	50.0		96.4	80-141				
1,2,4-Trimethylbenzene	48.4		"	50.0		96.7	84-125				
1,2-Dibromo-3-chloropropane	47.4		"	50.0		94.8	74-142				
1,2-Dibromoethane	53.0		"	50.0		106	86-123				
1,2-Dichlorobenzene	50.7		"	50.0		101	85-122				
1,2-Dichloroethane	49.6		"	50.0		99.2	71-133				
1,2-Dichloropropane	49.5		"	50.0		99.1	81-122				
1,3,5-Trimethylbenzene	55.7		"	50.0		111	82-126				
1,3-Dichlorobenzene	48.7		"	50.0		97.4	84-124				
1,4-Dichlorobenzene	48.9		"	50.0		97.7	84-124				
1,4-Dioxane	903		"	1050		86.0	10-228				
2-Butanone	30.6		"	50.0		61.2	58-147				
2-Hexanone	50.4		"	50.0		101	70-139				
4-Methyl-2-pentanone	52.2		"	50.0		104	72-132				
Acetone	28.0		"	50.0		56.0	36-155				
Acrolein	42.4		"	50.0		84.8	10-238				
Acrylonitrile	50.6		"	50.0		101	66-141				
Benzene	48.2		"	50.0		96.3	77-127				
Bromochloromethane	50.8		"	50.0		102	74-129				
Bromodichloromethane	48.6		"	50.0		97.1	81-124				
Bromoform	51.4		"	50.0		103	80-136				
Bromomethane	85.6		"	50.0		171	32-177				
Carbon disulfide	48.3		"	50.0		96.7	10-136				
Carbon tetrachloride	44.0		"	50.0		88.0	66-143				
Chlorobenzene	48.7		"	50.0		97.3	86-120				
Chloroethane	53.7		"	50.0		107	51-142				
Chloroform	46.6		"	50.0		93.3	76-131				
Chloromethane	37.6		"	50.0		75.1	49-132				
cis-1,2-Dichloroethylene	47.2		"	50.0		94.5	74-132				
cis-1,3-Dichloropropylene	51.1		"	50.0		102	81-129				
Cyclohexane	38.9		"	50.0		77.8	70-130				
Dibromochloromethane	54.6		"	50.0		109	10-200				
Dibromomethane	48.9		"	50.0		97.7	83-124				
Dichlorodifluoromethane	66.6		"	50.0		133	28-158				
Ethyl Benzene	47.4		"	50.0		94.9	84-125				
Hexachlorobutadiene	43.9		"	50.0		87.8	83-133				
Isopropylbenzene	45.0		"	50.0		89.9	81-127				
Methyl acetate	49.2		"	50.0		98.4	41-143				
Methyl tert-butyl ether (MTBE)	55.2		"	50.0		110	74-131				
Methylcyclohexane	45.7		"	50.0		91.4	70-130				
Methylene chloride	50.3		"	50.0		101	57-141				
n-Butylbenzene	49.1		"	50.0		98.2	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 BD11470 - EPA 5035A											
LCS (BD11470-BS1) LCS								Prepared & Analyzed: 04/27/2021			
n-Propylbenzene	45.1		ug/L	50.0		90.1	74-136				
o-Xylene	48.9		"	50.0		97.9	83-123				
p- & m- Xylenes	94.6		"	100		94.6	82-128				
p-Isopropyltoluene	46.8		"	50.0		93.6	85-125				
sec-Butylbenzene	47.8		"	50.0		95.6	83-125				
Styrene	53.7		"	50.0		107	86-126				
tert-Butyl alcohol (TBA)	164		"	250		65.6	70-130	Low Bias			
tert-Butylbenzene	40.6		"	50.0		81.1	80-127				
Tetrachloroethylene	39.2		"	50.0		78.5	80-129	Low Bias			
Toluene	47.0		"	50.0		94.0	85-121				
trans-1,2-Dichloroethylene	48.2		"	50.0		96.3	72-132				
trans-1,3-Dichloropropylene	54.7		"	50.0		109	78-132				
Trichloroethylene	42.6		"	50.0		85.1	84-123				
Trichlorofluoromethane	48.5		"	50.0		97.0	62-140				
Vinyl Chloride	55.7		"	50.0		111	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.4*		*"*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.9*		*"*	*50.0*		*99.8*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.2*		*"*	*50.0*		*96.4*	*76-130*				
LCS Dup (BD11470-BSD1) LCS Dup								Prepared & Analyzed: 04/27/2021			
1,1,1,2-Tetrachloroethane	52.2		ug/L	50.0		104	75-129		2.70	30	
1,1,1-Trichloroethane	44.9		"	50.0		89.8	71-137		0.335	30	
1,1,2,2-Tetrachloroethane	59.3		"	50.0		119	79-129		2.05	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.3		"	50.0		103	58-146		0.586	30	
1,1,2-Trichloroethane	54.2		"	50.0		108	83-123		2.18	30	
1,1-Dichloroethane	45.4		"	50.0		90.8	75-130		0.907	30	
1,1-Dichloroethylene	43.9		"	50.0		87.7	64-137		0.0684	30	
1,2,3-Trichlorobenzene	48.9		"	50.0		97.8	81-140		2.07	30	
1,2,3-Trichloropropane	52.0		"	50.0		104	81-126		2.24	30	
1,2,4-Trichlorobenzene	49.0		"	50.0		98.1	80-141		1.75	30	
1,2,4-Trimethylbenzene	48.4		"	50.0		96.8	84-125		0.103	30	
1,2-Dibromo-3-chloropropane	48.1		"	50.0		96.2	74-142		1.49	30	
1,2-Dibromoethane	53.7		"	50.0		107	86-123		1.43	30	
1,2-Dichlorobenzene	50.6		"	50.0		101	85-122		0.178	30	
1,2-Dichloroethane	50.0		"	50.0		99.9	71-133		0.764	30	
1,2-Dichloropropane	50.8		"	50.0		102	81-122		2.49	30	
1,3,5-Trimethylbenzene	56.7		"	50.0		113	82-126		1.85	30	
1,3-Dichlorobenzene	49.1		"	50.0		98.2	84-124		0.818	30	
1,4-Dichlorobenzene	49.5		"	50.0		99.0	84-124		1.30	30	
1,4-Dioxane	954		"	1050		90.9	10-228		5.51	30	
2-Butanone	35.2		"	50.0		70.4	58-147		14.0	30	
2-Hexanone	50.8		"	50.0		102	70-139		0.949	30	
4-Methyl-2-pentanone	54.2		"	50.0		108	72-132		3.74	30	
Acetone	28.7		"	50.0		57.4	36-155		2.43	30	
Acrolein	41.7		"	50.0		83.5	10-238		1.59	30	
Acrylonitrile	51.2		"	50.0		102	66-141		1.20	30	
Benzene	48.4		"	50.0		96.7	77-127		0.373	30	
Bromochloromethane	50.4		"	50.0		101	74-129		0.770	30	
Bromodichloromethane	50.3		"	50.0		101	81-124		3.48	30	
Bromoform	52.0		"	50.0		104	80-136		1.18	30	
Bromomethane	86.0		"	50.0		172	32-177		0.431	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

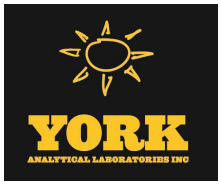
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD11470 - EPA 5035A											
LCS Dup (BD11470-BSD1) LCS Dup								Prepared & Analyzed: 04/27/2021			
Carbon disulfide	48.8		ug/L	50.0		97.5	10-136		0.886	30	
Carbon tetrachloride	44.3		"	50.0		88.6	66-143		0.657	30	
Chlorobenzene	49.6		"	50.0		99.1	86-120		1.79	30	
Chloroethane	54.5		"	50.0		109	51-142		1.44	30	
Chloroform	47.0		"	50.0		94.0	76-131		0.769	30	
Chloromethane	37.0		"	50.0		74.1	49-132		1.45	30	
cis-1,2-Dichloroethylene	47.6		"	50.0		95.2	74-132		0.759	30	
cis-1,3-Dichloropropylene	52.4		"	50.0		105	81-129		2.38	30	
Cyclohexane	38.8		"	50.0		77.5	70-130		0.283	30	
Dibromochloromethane	55.1		"	50.0		110	10-200		0.948	30	
Dibromomethane	50.2		"	50.0		100	83-124		2.63	30	
Dichlorodifluoromethane	66.9		"	50.0		134	28-158		0.449	30	
Ethyl Benzene	48.9		"	50.0		97.8	84-125		3.01	30	
Hexachlorobutadiene	44.6		"	50.0		89.2	83-133		1.63	30	
Isopropylbenzene	45.2		"	50.0		90.4	81-127		0.555	30	
Methyl acetate	48.8		"	50.0		97.7	41-143		0.796	30	
Methyl tert-butyl ether (MTBE)	55.2		"	50.0		110	74-131		0.109	30	
Methylcyclohexane	46.6		"	50.0		93.3	70-130		1.97	30	
Methylene chloride	50.8		"	50.0		102	57-141		1.03	30	
n-Butylbenzene	49.7		"	50.0		99.3	80-130		1.17	30	
n-Propylbenzene	45.9		"	50.0		91.8	74-136		1.85	30	
o-Xylene	50.0		"	50.0		100	83-123		2.14	30	
p- & m- Xylenes	97.3		"	100		97.3	82-128		2.78	30	
p-Isopropyltoluene	47.5		"	50.0		95.1	85-125		1.57	30	
sec-Butylbenzene	48.6		"	50.0		97.3	83-125		1.70	30	
Styrene	53.9		"	50.0		108	86-126		0.335	30	
tert-Butyl alcohol (TBA)	160		"	250		63.9	70-130	Low Bias	2.69	30	
tert-Butylbenzene	41.1		"	50.0		82.3	80-127		1.40	30	
Tetrachloroethylene	39.7		"	50.0		79.4	80-129	Low Bias	1.12	30	
Toluene	48.2		"	50.0		96.4	85-121		2.46	30	
trans-1,2-Dichloroethylene	48.5		"	50.0		97.1	72-132		0.807	30	
trans-1,3-Dichloropropylene	56.0		"	50.0		112	78-132		2.48	30	
Trichloroethylene	43.8		"	50.0		87.7	84-123		2.94	30	
Trichlorofluoromethane	48.6		"	50.0		97.3	62-140		0.309	30	
Vinyl Chloride	56.1		"	50.0		112	52-130		0.769	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.4*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.3*		*"*	*50.0*		*96.6*	*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 BD11471 - EPA 5035A											
Blank (BD11471-BLK1) Blank									Prepared & Analyzed: 04/27/2021		
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	"								
n-Butylbenzene	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 BD11471 - EPA 5035A											
Blank (BD11471-BLK1) Blank									Prepared & Analyzed: 04/27/2021		
n-Propylbenzene	ND	0.0050	mg/kg wet								
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	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.1*		*ug/L*	*50.0*		*94.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.2*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.8*		*"*	*50.0*		*97.7*	*76-130*				
Blank (BD11471-BLK2) Blank									Prepared & Analyzed: 04/27/2021		
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	"								

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 BD11471 - EPA 5035A											
Blank (BD11471-BLK2) Blank									Prepared & Analyzed: 04/27/2021		
Bromomethane	ND	0.0050	mg/kg wet								
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	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*46.0*		*ug/L*	*50.0*		*91.9*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.9*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.8*		*"*	*50.0*		*95.7*	*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 BD11471 - EPA 5035A											
LCS (BD11471-BS1) LCS							Prepared & Analyzed: 04/27/2021				
1,1,1,2-Tetrachloroethane	46.2		ug/L	50.0		92.5	75-129				
1,1,1-Trichloroethane	47.5		"	50.0		95.1	71-137				
1,1,2,2-Tetrachloroethane	53.1		"	50.0		106	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.5		"	50.0		103	58-146				
1,1,2-Trichloroethane	51.3		"	50.0		103	83-123				
1,1-Dichloroethane	45.4		"	50.0		90.7	75-130				
1,1-Dichloroethylene	46.5		"	50.0		93.0	64-137				
1,2,3-Trichlorobenzene	56.7		"	50.0		113	81-140				
1,2,3-Trichloropropane	50.3		"	50.0		101	81-126				
1,2,4-Trichlorobenzene	57.7		"	50.0		115	80-141				
1,2,4-Trimethylbenzene	49.4		"	50.0		98.9	84-125				
1,2-Dibromo-3-chloropropane	49.6		"	50.0		99.1	74-142				
1,2-Dibromoethane	52.9		"	50.0		106	86-123				
1,2-Dichlorobenzene	53.3		"	50.0		107	85-122				
1,2-Dichloroethane	46.5		"	50.0		93.1	71-133				
1,2-Dichloropropane	49.8		"	50.0		99.5	81-122				
1,3,5-Trimethylbenzene	49.6		"	50.0		99.2	82-126				
1,3-Dichlorobenzene	51.3		"	50.0		103	84-124				
1,4-Dichlorobenzene	51.2		"	50.0		102	84-124				
1,4-Dioxane	995		"	1050		94.8	10-228				
2-Butanone	39.8		"	50.0		79.5	58-147				
2-Hexanone	46.8		"	50.0		93.7	70-139				
4-Methyl-2-pentanone	48.9		"	50.0		97.8	72-132				
Acetone	35.4		"	50.0		70.9	36-155				
Acrolein	48.0		"	50.0		95.9	10-238				
Acrylonitrile	48.3		"	50.0		96.6	66-141				
Benzene	49.4		"	50.0		98.9	77-127				
Bromochloromethane	50.0		"	50.0		99.9	74-129				
Bromodichloromethane	51.1		"	50.0		102	81-124				
Bromoform	49.2		"	50.0		98.4	80-136				
Bromomethane	61.1		"	50.0		122	32-177				
Carbon disulfide	53.2		"	50.0		106	10-136				
Carbon tetrachloride	43.2		"	50.0		86.3	66-143				
Chlorobenzene	51.0		"	50.0		102	86-120				
Chloroethane	48.5		"	50.0		97.1	51-142				
Chloroform	48.5		"	50.0		97.0	76-131				
Chloromethane	44.3		"	50.0		88.7	49-132				
cis-1,2-Dichloroethylene	47.8		"	50.0		95.6	74-132				
cis-1,3-Dichloropropylene	43.9		"	50.0		87.7	81-129				
Cyclohexane	44.5		"	50.0		89.1	70-130				
Dibromochloromethane	47.5		"	50.0		95.1	10-200				
Dibromomethane	50.5		"	50.0		101	83-124				
Dichlorodifluoromethane	56.0		"	50.0		112	28-158				
Ethyl Benzene	48.7		"	50.0		97.4	84-125				
Hexachlorobutadiene	55.8		"	50.0		112	83-133				
Isopropylbenzene	48.2		"	50.0		96.4	81-127				
Methyl acetate	42.1		"	50.0		84.2	41-143				
Methyl tert-butyl ether (MTBE)	50.4		"	50.0		101	74-131				
Methylcyclohexane	46.1		"	50.0		92.2	70-130				
Methylene chloride	48.9		"	50.0		97.8	57-141				
n-Butylbenzene	47.8		"	50.0		95.6	80-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

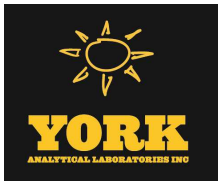
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD11471 - EPA 5035A											
LCS (BD11471-BS1) LCS								Prepared & Analyzed: 04/27/2021			
n-Propylbenzene	48.2		ug/L	50.0		96.5	74-136				
o-Xylene	48.8		"	50.0		97.7	83-123				
p- & m- Xylenes	99.5		"	100		99.5	82-128				
p-Isopropyltoluene	50.8		"	50.0		102	85-125				
sec-Butylbenzene	51.1		"	50.0		102	83-125				
Styrene	51.7		"	50.0		103	86-126				
tert-Butyl alcohol (TBA)	234		"	250		93.5	70-130				
tert-Butylbenzene	49.0		"	50.0		98.1	80-127				
Tetrachloroethylene	49.3		"	50.0		98.6	80-129				
Toluene	48.4		"	50.0		96.9	85-121				
trans-1,2-Dichloroethylene	48.8		"	50.0		97.6	72-132				
trans-1,3-Dichloropropylene	43.1		"	50.0		86.2	78-132				
Trichloroethylene	49.1		"	50.0		98.2	84-123				
Trichlorofluoromethane	47.2		"	50.0		94.4	62-140				
Vinyl Chloride	47.6		"	50.0		95.3	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.3*		*"*	*50.0*		*96.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.0*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*45.6*		*"*	*50.0*		*91.1*	*76-130*				
LCS Dup (BD11471-BSD1) LCS Dup								Prepared & Analyzed: 04/27/2021			
1,1,1,2-Tetrachloroethane	46.9		ug/L	50.0		93.8	75-129		1.44	30	
1,1,1-Trichloroethane	47.0		"	50.0		94.0	71-137		1.14	30	
1,1,2,2-Tetrachloroethane	52.5		"	50.0		105	79-129		1.14	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.1		"	50.0		98.2	58-146		4.77	30	
1,1,2-Trichloroethane	52.1		"	50.0		104	83-123		1.43	30	
1,1-Dichloroethane	45.0		"	50.0		90.1	75-130		0.686	30	
1,1-Dichloroethylene	45.2		"	50.0		90.3	64-137		2.92	30	
1,2,3-Trichlorobenzene	58.7		"	50.0		117	81-140		3.57	30	
1,2,3-Trichloropropane	50.6		"	50.0		101	81-126		0.516	30	
1,2,4-Trichlorobenzene	59.4		"	50.0		119	80-141		2.94	30	
1,2,4-Trimethylbenzene	50.2		"	50.0		100	84-125		1.61	30	
1,2-Dibromo-3-chloropropane	51.0		"	50.0		102	74-142		2.86	30	
1,2-Dibromoethane	53.2		"	50.0		106	86-123		0.678	30	
1,2-Dichlorobenzene	53.9		"	50.0		108	85-122		1.21	30	
1,2-Dichloroethane	45.8		"	50.0		91.5	71-133		1.69	30	
1,2-Dichloropropane	49.5		"	50.0		99.1	81-122		0.463	30	
1,3,5-Trimethylbenzene	51.3		"	50.0		103	82-126		3.43	30	
1,3-Dichlorobenzene	53.2		"	50.0		106	84-124		3.67	30	
1,4-Dichlorobenzene	53.2		"	50.0		106	84-124		3.72	30	
1,4-Dioxane	1040		"	1050		99.2	10-228		4.52	30	
2-Butanone	39.4		"	50.0		78.7	58-147		1.06	30	
2-Hexanone	46.5		"	50.0		93.0	70-139		0.707	30	
4-Methyl-2-pentanone	48.9		"	50.0		97.7	72-132		0.0614	30	
Acetone	34.0		"	50.0		68.1	36-155		3.97	30	
Acrolein	46.9		"	50.0		93.9	10-238		2.17	30	
Acrylonitrile	47.4		"	50.0		94.7	66-141		1.90	30	
Benzene	49.3		"	50.0		98.7	77-127		0.203	30	
Bromochloromethane	49.5		"	50.0		99.0	74-129		0.965	30	
Bromodichloromethane	50.5		"	50.0		101	81-124		1.12	30	
Bromoform	49.6		"	50.0		99.2	80-136		0.790	30	
Bromomethane	59.8		"	50.0		120	32-177		2.15	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 BD11471 - EPA 5035A											
LCS Dup (BD11471-BSD1) LCS Dup							Prepared & Analyzed: 04/27/2021				
Carbon disulfide	52.3		ug/L	50.0		105	10-136		1.61	30	
Carbon tetrachloride	42.4		"	50.0		84.8	66-143		1.75	30	
Chlorobenzene	51.0		"	50.0		102	86-120		0.0785	30	
Chloroethane	45.3		"	50.0		90.6	51-142		6.88	30	
Chloroform	47.4		"	50.0		94.9	76-131		2.25	30	
Chloromethane	43.2		"	50.0		86.3	49-132		2.70	30	
cis-1,2-Dichloroethylene	47.6		"	50.0		95.3	74-132		0.335	30	
cis-1,3-Dichloropropylene	43.4		"	50.0		86.9	81-129		0.939	30	
Cyclohexane	44.4		"	50.0		88.8	70-130		0.270	30	
Dibromochloromethane	46.9		"	50.0		93.8	10-200		1.38	30	
Dibromomethane	51.0		"	50.0		102	83-124		0.867	30	
Dichlorodifluoromethane	56.3		"	50.0		113	28-158		0.623	30	
Ethyl Benzene	49.3		"	50.0		98.6	84-125		1.16	30	
Hexachlorobutadiene	57.4		"	50.0		115	83-133		2.83	30	
Isopropylbenzene	48.8		"	50.0		97.6	81-127		1.28	30	
Methyl acetate	41.3		"	50.0		82.5	41-143		1.99	30	
Methyl tert-butyl ether (MTBE)	49.8		"	50.0		99.7	74-131		1.08	30	
Methylcyclohexane	45.6		"	50.0		91.1	70-130		1.20	30	
Methylene chloride	48.7		"	50.0		97.3	57-141		0.471	30	
n-Butylbenzene	48.7		"	50.0		97.4	80-130		1.82	30	
n-Propylbenzene	47.9		"	50.0		95.7	74-136		0.749	30	
o-Xylene	48.2		"	50.0		96.5	83-123		1.28	30	
p- & m- Xylenes	101		"	100		101	82-128		1.31	30	
p-Isopropyltoluene	52.1		"	50.0		104	85-125		2.57	30	
sec-Butylbenzene	52.7		"	50.0		105	83-125		3.04	30	
Styrene	52.0		"	50.0		104	86-126		0.521	30	
tert-Butyl alcohol (TBA)	247		"	250		98.6	70-130		5.38	30	
tert-Butylbenzene	50.1		"	50.0		100	80-127		2.18	30	
Tetrachloroethylene	50.8		"	50.0		102	80-129		2.98	30	
Toluene	48.6		"	50.0		97.3	85-121		0.433	30	
trans-1,2-Dichloroethylene	47.8		"	50.0		95.6	72-132		2.11	30	
trans-1,3-Dichloropropylene	43.1		"	50.0		86.3	78-132		0.0232	30	
Trichloroethylene	49.4		"	50.0		98.7	84-123		0.549	30	
Trichlorofluoromethane	46.0		"	50.0		92.0	62-140		2.53	30	
Vinyl Chloride	46.0		"	50.0		92.1	52-130		3.42	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.7*		*"*	*50.0*		*95.3*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.8*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*45.2*		*"*	*50.0*		*90.5*	*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 BD11571 - EPA 3546 SVOA											
LCS (BD11571-BS1) LCS							Prepared & Analyzed: 04/29/2021				
1,1-Biphenyl	0.583	0.0416	mg/kg wet	0.831		70.2	18-111				
1,2,4,5-Tetrachlorobenzene	0.519	0.0830	"	0.831		62.4	21-131				
1,2,4-Trichlorobenzene	0.533	0.0416	"	0.831		64.1	10-140				
1,2-Dichlorobenzene	0.491	0.0416	"	0.831		59.1	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.517	0.0416	"	0.831		62.2	17-137				
1,3-Dichlorobenzene	0.505	0.0416	"	0.831		60.8	33-110				
1,4-Dichlorobenzene	0.498	0.0416	"	0.831		59.9	32-104				
1-Methylnaphthalene	0.586	0.0830	"	0.831		70.6	40-140				
2,3,4,6-Tetrachlorophenol	0.649	0.0830	"	0.831		78.1	30-130				
2,4,5-Trichlorophenol	0.562	0.0416	"	0.831		67.6	27-118				
2,4,6-Trichlorophenol	0.565	0.0416	"	0.831		68.0	31-120				
2,4-Dichlorophenol	0.567	0.0416	"	0.831		68.3	20-127				
2,4-Dimethylphenol	0.585	0.0416	"	0.831		70.4	14-132				
2,4-Dinitrophenol	0.519	0.0830	"	0.831		62.5	10-171				
2,4-Dinitrotoluene	0.593	0.0416	"	0.831		71.4	34-131				
2,6-Dinitrotoluene	0.610	0.0416	"	0.831		73.4	31-128				
2-Chloronaphthalene	0.505	0.0416	"	0.831		60.8	31-117				
2-Chlorophenol	0.548	0.0416	"	0.831		66.0	33-113				
2-Methylnaphthalene	0.586	0.0416	"	0.831		70.6	12-138				
2-Methylphenol	0.539	0.0416	"	0.831		64.8	10-136				
2-Nitroaniline	0.578	0.0830	"	0.831		69.6	27-132				
2-Nitrophenol	0.619	0.0416	"	0.831		74.6	17-129				
3- & 4-Methylphenols	0.481	0.0416	"	0.831		57.9	29-103				
3,3-Dichlorobenzidine	0.579	0.0416	"	0.831		69.8	22-149				
3-Nitroaniline	0.550	0.0830	"	0.831		66.2	20-133				
4,6-Dinitro-2-methylphenol	0.653	0.0830	"	0.831		78.6	10-143				
4-Bromophenyl phenyl ether	0.524	0.0416	"	0.831		63.1	29-120				
4-Chloro-3-methylphenol	0.574	0.0416	"	0.831		69.2	24-129				
4-Chloroaniline	0.490	0.0416	"	0.831		59.0	10-132				
4-Chlorophenyl phenyl ether	0.494	0.0416	"	0.831		59.5	27-124				
4-Nitroaniline	0.567	0.0830	"	0.831		68.3	16-128				
4-Nitrophenol	0.573	0.0830	"	0.831		69.0	10-141				
Acenaphthene	0.496	0.0416	"	0.831		59.7	30-121				
Acenaphthylene	0.505	0.0416	"	0.831		60.8	30-115				
Acetophenone	0.568	0.0416	"	0.831		68.4	20-112				
Aniline	0.510	0.166	"	0.831		61.4	10-119				
Anthracene	0.541	0.0416	"	0.831		65.2	34-118				
Atrazine	0.614	0.0416	"	0.831		73.9	26-112				
Benzaldehyde	0.582	0.0416	"	0.831		70.0	21-100				
Benzo(a)anthracene	0.524	0.0416	"	0.831		63.1	32-122				
Benzo(a)pyrene	0.574	0.0416	"	0.831		69.1	29-133				
Benzo(b)fluoranthene	0.566	0.0416	"	0.831		68.2	25-133				
Benzo(g,h,i)perylene	0.608	0.0416	"	0.831		73.2	10-143				
Benzo(k)fluoranthene	0.540	0.0416	"	0.831		65.0	25-128				
Benzoic acid	0.369	0.0416	"	0.831		44.5	10-140				
Benzyl alcohol	0.607	0.0416	"	0.831		73.0	30-115				
Benzyl butyl phthalate	0.517	0.0416	"	0.831		62.3	26-126				
Bis(2-chloroethoxy)methane	0.550	0.0416	"	0.831		66.2	19-132				
Bis(2-chloroethyl)ether	0.537	0.0416	"	0.831		64.6	19-125				
Bis(2-chloroisopropyl)ether	0.602	0.0416	"	0.831		72.4	20-135				
Bis(2-ethylhexyl)phthalate	0.531	0.0416	"	0.831		63.9	10-155				

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 BD11571 - EPA 3546 SVOA											
LCS (BD11571-BS1) LCS							Prepared & Analyzed: 04/29/2021				
Caprolactam	0.734	0.0830	mg/kg wet	0.831		88.4	10-127				
Carbazole	0.545	0.0416	"	0.831		65.6	35-123				
Chrysene	0.533	0.0416	"	0.831		64.1	32-123				
Cresols, total	1.02	0.0830	"	1.66		61.4	30-130				
Dibenzo(a,h)anthracene	0.578	0.0416	"	0.831		69.6	10-136				
Dibenzofuran	0.525	0.0416	"	0.831		63.2	29-121				
Diethyl phthalate	0.511	0.0416	"	0.831		61.5	34-116				
Dimethyl phthalate	0.520	0.0416	"	0.831		62.6	35-124				
Di-n-butyl phthalate	0.520	0.0416	"	0.831		62.6	31-116				
Di-n-octyl phthalate	0.541	0.0416	"	0.831		65.1	26-136				
Diphenylamine	0.639	0.0830	"	0.831		76.9	40-140				
Fluoranthene	0.537	0.0416	"	0.831		64.6	33-122				
Fluorene	0.524	0.0416	"	0.831		63.0	29-123				
Hexachlorobenzene	0.527	0.0416	"	0.831		63.5	21-124				
Hexachlorobutadiene	0.512	0.0416	"	0.831		61.7	10-149				
Hexachlorocyclopentadiene	0.564	0.0416	"	0.831		68.0	10-129				
Hexachloroethane	0.490	0.0416	"	0.831		59.0	28-108				
Indeno(1,2,3-cd)pyrene	0.574	0.0416	"	0.831		69.1	10-135				
Isophorone	0.542	0.0416	"	0.831		65.2	20-132				
Naphthalene	0.546	0.0416	"	0.831		65.7	23-124				
Nitrobenzene	0.534	0.0416	"	0.831		64.3	13-132				
N-Nitrosodimethylamine	0.532	0.0416	"	0.831		64.1	11-129				
N-nitroso-di-n-propylamine	0.466	0.0416	"	0.831		56.1	24-119				
N-Nitrosodiphenylamine	0.655	0.0416	"	0.831		78.9	22-152				
Pentachloronitrobenzene	0.548	0.0830	"	0.831		66.0	40-140				
Pentachlorophenol	0.669	0.0416	"	0.831		80.5	10-139				
Phenanthrene	0.530	0.0416	"	0.831		63.8	33-123				
Phenol	0.589	0.0416	"	0.831		70.9	23-115				
Pyrene	0.534	0.0416	"	0.831		64.2	24-130				
Pyridine	0.467	0.166	"	0.831		56.2	10-91				
Surrogate: SURR: 2-Fluorophenol	*1.08*		*"*	*1.66*		*65.1*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.09*		*"*	*1.66*		*65.4*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.560*		*"*	*0.831*		*67.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.519*		*"*	*0.831*		*62.5*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.25*		*"*	*1.66*		*75.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.599*		*"*	*0.831*		*72.2*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BD11571 - EPA 3546 SVOA

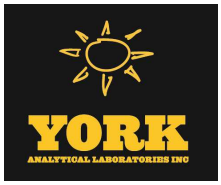
Matrix Spike (BD11571-MS1) Matrix Spike *Source sample: 21D1342-03 (Matrix Spike) Prepared: 04/29/2021 Analyzed: 04/30/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.675	0.0968	mg/kg dry	0.967	ND	69.8	10-130				
1,2,4,5-Tetrachlorobenzene	0.600	0.193	"	0.967	ND	62.0	10-133				
1,2,4-Trichlorobenzene	0.509	0.0968	"	0.967	ND	52.6	10-127				
1,2-Dichlorobenzene	0.456	0.0968	"	0.967	ND	47.1	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.584	0.0968	"	0.967	ND	60.4	10-144				
1,3-Dichlorobenzene	0.440	0.0968	"	0.967	ND	45.4	11-111				
1,4-Dichlorobenzene	0.430	0.0968	"	0.967	ND	44.4	10-106				
1-Methylnaphthalene	0.793	0.193	"	0.967	0.107	70.9	40-140				
2,3,4,6-Tetrachlorophenol	0.647	0.193	"	0.967	ND	66.9	30-130				
2,4,5-Trichlorophenol	0.597	0.0968	"	0.967	ND	61.7	10-127				
2,4,6-Trichlorophenol	0.627	0.0968	"	0.967	ND	64.8	10-132				
2,4-Dichlorophenol	0.597	0.0968	"	0.967	ND	61.8	10-128				
2,4-Dimethylphenol	0.602	0.0968	"	0.967	ND	62.2	10-137				
2,4-Dinitrophenol	ND	0.193	"	0.967	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.519	0.0968	"	0.967	ND	53.7	16-135				
2,6-Dinitrotoluene	0.606	0.0968	"	0.967	ND	62.6	18-131				
2-Chloronaphthalene	0.538	0.0968	"	0.967	ND	55.6	10-129				
2-Chlorophenol	0.549	0.0968	"	0.967	ND	56.7	15-116				
2-Methylnaphthalene	0.797	0.0968	"	0.967	0.127	69.3	10-147				
2-Methylphenol	0.562	0.0968	"	0.967	ND	58.1	10-136				
2-Nitroaniline	0.677	0.193	"	0.967	ND	70.0	10-137				
2-Nitrophenol	0.505	0.0968	"	0.967	ND	52.2	10-129				
3- & 4-Methylphenols	0.515	0.0968	"	0.967	ND	53.3	10-123				
3,3-Dichlorobenzidine	0.532	0.0968	"	0.967	ND	55.0	10-155				
3-Nitroaniline	0.610	0.193	"	0.967	ND	63.0	12-133				
4,6-Dinitro-2-methylphenol	ND	0.193	"	0.967	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.585	0.0968	"	0.967	ND	60.5	14-128				
4-Chloro-3-methylphenol	0.601	0.0968	"	0.967	ND	62.2	10-134				
4-Chloroaniline	0.499	0.0968	"	0.967	ND	51.6	10-145				
4-Chlorophenyl phenyl ether	0.529	0.0968	"	0.967	ND	54.7	14-130				
4-Nitroaniline	0.617	0.193	"	0.967	ND	63.8	10-147				
4-Nitrophenol	0.526	0.193	"	0.967	ND	54.4	10-137				
Acenaphthene	1.07	0.0968	"	0.967	0.230	86.6	10-146				
Acenaphthylene	0.823	0.0968	"	0.967	0.302	53.9	10-134				
Acetophenone	0.567	0.0968	"	0.967	ND	58.6	10-116				
Aniline	0.482	0.388	"	0.967	ND	49.8	10-123				
Anthracene	1.54	0.0968	"	0.967	0.635	93.8	10-142				
Atrazine	0.576	0.0968	"	0.967	ND	59.5	19-115				
Benzaldehyde	0.685	0.0968	"	0.967	ND	70.8	10-125				
Benzo(a)anthracene	4.52	0.0968	"	0.967	2.38	221	10-158	High Bias			
Benzo(a)pyrene	6.94	0.0968	"	0.967	3.36	371	10-180	High Bias			
Benzo(b)fluoranthene	5.55	0.0968	"	0.967	2.38	327	10-200	High Bias			
Benzo(g,h,i)perylene	6.35	0.0968	"	0.967	2.97	350	10-138	High Bias			
Benzo(k)fluoranthene	4.40	0.0968	"	0.967	2.44	202	10-197	High Bias			
Benzoic acid	0.0906	0.0968	"	0.967	ND	9.36	10-166	Low Bias			
Benzyl alcohol	0.574	0.0968	"	0.967	ND	59.4	12-124				
Benzyl butyl phthalate	0.627	0.0968	"	0.967	ND	64.8	10-154				
Bis(2-chloroethoxy)methane	0.530	0.0968	"	0.967	ND	54.8	10-132				
Bis(2-chloroethyl)ether	0.471	0.0968	"	0.967	ND	48.6	10-119				
Bis(2-chloroisopropyl)ether	0.587	0.0968	"	0.967	ND	60.6	10-139				
Bis(2-ethylhexyl)phthalate	0.627	0.0968	"	0.967	0.0802	56.5	10-167				

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 BD11571 - EPA 3546 SVOA											
Matrix Spike (BD11571-MS1) Matrix Spike	*Source sample: 21D1342-03 (Matrix Spike)							Prepared: 04/29/2021 Analyzed: 04/30/2021			
Caprolactam	0.737	0.193	mg/kg dry	0.967	ND	76.2	10-132				
Carbazole	1.13	0.0968	"	0.967	0.221	93.7	10-167				
Chrysene	4.48	0.0968	"	0.967	2.22	234	10-156	High Bias			
Cresols, total	1.08	0.193	"	1.93	ND	55.7	30-130				
Dibenzo(a,h)anthracene	2.80	0.0968	"	0.967	1.03	183	10-137	High Bias			
Dibenzofuran	0.907	0.0968	"	0.967	0.126	80.7	10-147				
Diethyl phthalate	0.536	0.0968	"	0.967	ND	55.4	20-120				
Dimethyl phthalate	0.547	0.0968	"	0.967	ND	56.6	18-131				
Di-n-butyl phthalate	0.584	0.0968	"	0.967	ND	60.4	10-137				
Di-n-octyl phthalate	0.581	0.0968	"	0.967	ND	60.1	10-180				
Diphenylamine	0.727	0.193	"	0.967	ND	75.1	40-140				
Fluoranthene	4.30	0.0968	"	0.967	3.11	123	10-160				
Fluorene	0.982	0.0968	"	0.967	0.164	84.5	10-157				
Hexachlorobenzene	0.543	0.0968	"	0.967	ND	56.1	10-137				
Hexachlorobutadiene	0.543	0.0968	"	0.967	ND	56.1	10-132				
Hexachlorocyclopentadiene	ND	0.0968	"	0.967	ND		10-106	Low Bias			
Hexachloroethane	0.317	0.0968	"	0.967	ND	32.8	10-110				
Indeno(1,2,3-cd)pyrene	6.09	0.0968	"	0.967	2.99	320	10-144	High Bias			
Isophorone	0.585	0.0968	"	0.967	ND	60.5	10-132				
Naphthalene	1.17	0.0968	"	0.967	0.566	62.2	10-141				
Nitrobenzene	0.521	0.0968	"	0.967	ND	53.8	10-131				
N-Nitrosodimethylamine	0.471	0.0968	"	0.967	ND	48.6	10-126				
N-nitroso-di-n-propylamine	0.467	0.0968	"	0.967	ND	48.2	10-125				
N-Nitrosodiphenylamine	1.03	0.0968	"	0.967	ND	106	10-177				
Pentachloronitrobenzene	0.470	0.193	"	0.967	ND	48.6	40-140				
Pentachlorophenol	0.461	0.0968	"	0.967	ND	47.7	10-153				
Phenanthrene	2.98	0.0968	"	0.967	1.68	134	10-148				
Phenol	0.591	0.0968	"	0.967	ND	61.0	10-126				
Pyrene	4.45	0.0968	"	0.967	3.18	131	10-165				
Pyridine	0.460	0.388	"	0.967	ND	47.6	10-83				
Surrogate: SURR: 2-Fluorophenol	*1.05*		*"*	*1.93*		*54.3*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.11*		*"*	*1.93*		*57.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.546*		*"*	*0.967*		*56.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.551*		*"*	*0.967*		*57.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.33*		*"*	*1.93*		*69.0*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.646*		*"*	*0.967*		*66.8*	*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 BD11571 - EPA 3546 SVOA											
Matrix Spike Dup (BD11571-M Matrix Spike Dup	*Source sample: 21D1342-03 (Matrix Spike Dup)								Prepared: 04/29/2021 Analyzed: 04/30/2021		
1,1-Biphenyl	0.741	0.0968	mg/kg dry	0.967	ND	76.6	10-130		9.40	30	
1,2,4,5-Tetrachlorobenzene	0.604	0.193	"	0.967	ND	62.5	10-133		0.771	30	
1,2,4-Trichlorobenzene	0.572	0.0968	"	0.967	ND	59.1	10-127		11.6	30	
1,2-Dichlorobenzene	0.509	0.0968	"	0.967	ND	52.6	14-111		11.1	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.554	0.0968	"	0.967	ND	57.3	10-144		5.30	30	
1,3-Dichlorobenzene	0.490	0.0968	"	0.967	ND	50.6	11-111		10.8	30	
1,4-Dichlorobenzene	0.475	0.0968	"	0.967	ND	49.1	10-106		10.1	30	
1-Methylnaphthalene	0.906	0.193	"	0.967	0.107	82.6	40-140		13.3	30	
2,3,4,6-Tetrachlorophenol	0.604	0.193	"	0.967	ND	62.5	30-130		6.80	30	
2,4,5-Trichlorophenol	0.576	0.0968	"	0.967	ND	59.5	10-127		3.56	30	
2,4,6-Trichlorophenol	0.603	0.0968	"	0.967	ND	62.3	10-132		3.90	30	
2,4-Dichlorophenol	0.597	0.0968	"	0.967	ND	61.8	10-128		0.00	30	
2,4-Dimethylphenol	0.634	0.0968	"	0.967	ND	65.5	10-137		5.13	30	
2,4-Dinitrophenol	ND	0.193	"	0.967	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.502	0.0968	"	0.967	ND	51.8	16-135		3.49	30	
2,6-Dinitrotoluene	0.546	0.0968	"	0.967	ND	56.5	18-131		10.3	30	
2-Chloronaphthalene	0.558	0.0968	"	0.967	ND	57.7	10-129		3.67	30	
2-Chlorophenol	0.553	0.0968	"	0.967	ND	57.1	15-116		0.703	30	
2-Methylnaphthalene	0.955	0.0968	"	0.967	0.127	85.6	10-147		18.0	30	
2-Methylphenol	0.566	0.0968	"	0.967	ND	58.5	10-136		0.686	30	
2-Nitroaniline	0.660	0.193	"	0.967	ND	68.2	10-137		2.55	30	
2-Nitrophenol	0.597	0.0968	"	0.967	ND	61.7	10-129		16.6	30	
3- & 4-Methylphenols	0.546	0.0968	"	0.967	ND	56.5	10-123		5.83	30	
3,3-Dichlorobenzidine	0.573	0.0968	"	0.967	ND	59.2	10-155		7.43	30	
3-Nitroaniline	0.626	0.193	"	0.967	ND	64.7	12-133		2.63	30	
4,6-Dinitro-2-methylphenol	ND	0.193	"	0.967	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.547	0.0968	"	0.967	ND	56.6	14-128		6.70	30	
4-Chloro-3-methylphenol	0.587	0.0968	"	0.967	ND	60.6	10-134		2.48	30	
4-Chloroaniline	0.532	0.0968	"	0.967	ND	55.0	10-145		6.45	30	
4-Chlorophenyl phenyl ether	0.528	0.0968	"	0.967	ND	54.6	14-130		0.293	30	
4-Nitroaniline	0.662	0.193	"	0.967	ND	68.4	10-147		7.02	30	
4-Nitrophenol	0.505	0.193	"	0.967	ND	52.2	10-137		4.20	30	
Acenaphthene	1.61	0.0968	"	0.967	0.230	143	10-146		40.6	30	Non-dir.
Acenaphthylene	0.940	0.0968	"	0.967	0.302	65.9	10-134		13.2	30	
Acetophenone	0.627	0.0968	"	0.967	ND	64.8	10-116		10.1	30	
Aniline	0.483	0.388	"	0.967	ND	49.9	10-123		0.160	30	
Anthracene	2.88	0.0968	"	0.967	0.635	232	10-142	High Bias	60.6	30	Non-dir.
Atrazine	0.560	0.0968	"	0.967	ND	57.9	19-115		2.72	30	
Benzaldehyde	0.793	0.0968	"	0.967	ND	82.0	10-125		14.7	30	
Benzo(a)anthracene	7.73	0.0968	"	0.967	2.38	553	10-158	High Bias	52.4	30	Non-dir.
Benzo(a)pyrene	10.1	0.0968	"	0.967	3.36	697	10-180	High Bias	37.0	30	Non-dir.
Benzo(b)fluoranthene	9.46	0.0968	"	0.967	2.38	731	10-200	High Bias	52.2	30	Non-dir.
Benzo(g,h,i)perylene	7.38	0.0968	"	0.967	2.97	456	10-138	High Bias	15.0	30	
Benzo(k)fluoranthene	5.19	0.0968	"	0.967	2.44	284	10-197	High Bias	16.6	30	
Benzoic acid	0.159	0.0968	"	0.967	ND	16.4	10-166		54.7	30	Non-dir.
Benzyl alcohol	0.571	0.0968	"	0.967	ND	59.0	12-124		0.541	30	
Benzyl butyl phthalate	0.554	0.0968	"	0.967	ND	57.3	10-154		12.3	30	
Bis(2-chloroethoxy)methane	0.573	0.0968	"	0.967	ND	59.2	10-132		7.72	30	
Bis(2-chloroethyl)ether	0.530	0.0968	"	0.967	ND	54.8	10-119		11.9	30	
Bis(2-chloroisopropyl)ether	0.586	0.0968	"	0.967	ND	60.6	10-139		0.132	30	
Bis(2-ethylhexyl)phthalate	0.614	0.0968	"	0.967	0.0802	55.2	10-167		2.12	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 BD11571 - EPA 3546 SVOA											
Matrix Spike Dup (BD11571-M Matrix Spike Dup	*Source sample: 21D1342-03 (Matrix Spike Dup)								Prepared: 04/29/2021 Analyzed: 04/30/2021		
Caprolactam	0.751	0.193	mg/kg dry	0.967	ND	77.6	10-132		1.87	30	
Carbazole	1.73	0.0968	"	0.967	0.221	156	10-167		42.1	30	Non-dir.
Chrysene	7.50	0.0968	"	0.967	2.22	545	10-156	High Bias	50.4	30	Non-dir.
Cresols, total	1.11	0.193	"	1.93	ND	57.5	30-130		3.18	30	
Dibenzo(a,h)anthracene	3.48	0.0968	"	0.967	1.03	253	10-137	High Bias	21.6	30	
Dibenzofuran	1.18	0.0968	"	0.967	0.126	109	10-147		26.0	30	
Diethyl phthalate	0.532	0.0968	"	0.967	ND	55.0	20-120		0.580	30	
Dimethyl phthalate	0.530	0.0968	"	0.967	ND	54.8	18-131		3.16	30	
Di-n-butyl phthalate	0.560	0.0968	"	0.967	ND	57.8	10-137		4.33	30	
Di-n-octyl phthalate	0.553	0.0968	"	0.967	ND	57.2	10-180		4.91	30	
Diphenylamine	0.832	0.193	"	0.967	ND	86.0	40-140		13.5	30	
Fluoranthene	7.04	0.0968	"	0.967	3.11	406	10-160	High Bias	48.3	30	Non-dir.
Fluorene	1.37	0.0968	"	0.967	0.164	125	10-157		33.0	30	Non-dir.
Hexachlorobenzene	0.572	0.0968	"	0.967	ND	59.1	10-137		5.28	30	
Hexachlorobutadiene	0.573	0.0968	"	0.967	ND	59.3	10-132		5.55	30	
Hexachlorocyclopentadiene	ND	0.0968	"	0.967	ND		10-106	Low Bias		30	
Hexachloroethane	0.334	0.0968	"	0.967	ND	34.5	10-110		4.99	30	
Indeno(1,2,3-cd)pyrene	7.95	0.0968	"	0.967	2.99	512	10-144	High Bias	26.4	30	
Isophorone	0.582	0.0968	"	0.967	ND	60.2	10-132		0.531	30	
Naphthalene	1.57	0.0968	"	0.967	0.566	103	10-141		29.1	30	
Nitrobenzene	0.580	0.0968	"	0.967	ND	60.0	10-131		10.8	30	
N-Nitrosodimethylamine	0.473	0.0968	"	0.967	ND	48.9	10-126		0.492	30	
N-nitroso-di-n-propylamine	0.486	0.0968	"	0.967	ND	50.2	10-125		4.06	30	
N-Nitrosodiphenylamine	1.51	0.0968	"	0.967	ND	156	10-177		37.7	30	Non-dir.
Pentachloronitrobenzene	0.445	0.193	"	0.967	ND	46.0	40-140		5.41	30	
Pentachlorophenol	0.419	0.0968	"	0.967	ND	43.4	10-153		9.49	30	
Phenanthrene	5.07	0.0968	"	0.967	1.68	351	10-148	High Bias	52.0	30	Non-dir.
Phenol	0.605	0.0968	"	0.967	ND	62.6	10-126		2.46	30	
Pyrene	7.17	0.0968	"	0.967	3.18	412	10-165	High Bias	46.7	30	Non-dir.
Pyridine	0.448	0.388	"	0.967	ND	46.3	10-83		2.73	30	
Surrogate: SURR: 2-Fluorophenol	*1.06*		"	*1.93*		*54.6*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.08*		"	*1.93*		*56.0*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.593*		"	*0.967*		*61.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.562*		"	*0.967*		*58.1*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.31*		"	*1.93*		*67.9*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.615*		"	*0.967*		*63.5*	*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 BD11384 - EPA 3550C											
Blank (BD11384-BLK1) Blank									Prepared: 04/26/2021 Analyzed: 04/28/2021		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	*0.0559*		*"*	*0.0664*		*84.1*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0527*		*"*	*0.0664*		*79.3*	*30-150*				
LCS (BD11384-BS1) LCS									Prepared: 04/26/2021 Analyzed: 04/28/2021		
4,4'-DDD	0.0325	0.00164	mg/kg wet	0.0332		97.8	40-140				
4,4'-DDE	0.0257	0.00164	"	0.0332		77.5	40-140				
4,4'-DDT	0.0133	0.00164	"	0.0332		40.2	40-140				
Aldrin	0.0280	0.00164	"	0.0332		84.2	40-140				
alpha-BHC	0.0264	0.00164	"	0.0332		79.4	40-140				
alpha-Chlordane	0.0281	0.00164	"	0.0332		84.6	40-140				
beta-BHC	0.0238	0.00164	"	0.0332		71.5	40-140				
delta-BHC	0.0273	0.00164	"	0.0332		82.2	40-140				
Dieldrin	0.0286	0.00164	"	0.0332		86.2	40-140				
Endosulfan I	0.0307	0.00164	"	0.0332		92.4	40-140				
Endosulfan II	0.0286	0.00164	"	0.0332		86.1	40-140				
Endosulfan sulfate	0.0270	0.00164	"	0.0332		81.2	40-140				
Endrin	0.0232	0.00164	"	0.0332		69.8	40-140				
Endrin aldehyde	0.0277	0.00164	"	0.0332		83.5	40-140				
Endrin ketone	0.0282	0.00164	"	0.0332		84.8	40-140				
gamma-BHC (Lindane)	0.0259	0.00164	"	0.0332		77.9	40-140				
gamma-Chlordane	0.0278	0.00164	"	0.0332		83.8	40-140				
Heptachlor	0.0287	0.00164	"	0.0332		86.5	40-140				
Heptachlor epoxide	0.0290	0.00164	"	0.0332		87.3	40-140				
Methoxychlor	0.0152	0.00164	"	0.0332		45.9	40-140				
Surrogate: Decachlorobiphenyl	*0.0570*		*"*	*0.0664*		*85.8*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0543*		*"*	*0.0664*		*81.7*	*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 BD11384 - EPA 3550C											
Matrix Spike (BD11384-MS1) Matrix Spike	*Source sample: 21D1078-01 (Matrix Spike)								Prepared: 04/26/2021 Analyzed: 04/28/2021		
4,4'-DDD	0.0326	0.00180	mg/kg dry	0.0363	ND	89.8	30-150				
4,4'-DDE	0.0266	0.00180	"	0.0363	ND	73.2	30-150				
4,4'-DDT	0.0214	0.00180	"	0.0363	ND	58.9	30-150				
Aldrin	0.0248	0.00180	"	0.0363	ND	68.2	30-150				
alpha-BHC	0.0254	0.00180	"	0.0363	ND	70.0	30-150				
alpha-Chlordane	0.0292	0.00180	"	0.0363	ND	80.4	30-150				
beta-BHC	0.0295	0.00180	"	0.0363	ND	81.2	30-150				
delta-BHC	0.0246	0.00180	"	0.0363	ND	67.6	30-150				
Dieldrin	0.0280	0.00180	"	0.0363	ND	77.1	30-150				
Endosulfan I	0.0277	0.00180	"	0.0363	ND	76.2	30-150				
Endosulfan II	0.0289	0.00180	"	0.0363	ND	79.5	30-150				
Endosulfan sulfate	0.0276	0.00180	"	0.0363	ND	76.1	30-150				
Endrin	0.0252	0.00180	"	0.0363	ND	69.5	30-150				
Endrin aldehyde	0.0260	0.00180	"	0.0363	ND	71.5	30-150				
Endrin ketone	0.0287	0.00180	"	0.0363	ND	79.2	30-150				
gamma-BHC (Lindane)	0.0252	0.00180	"	0.0363	ND	69.4	30-150				
gamma-Chlordane	0.0295	0.00180	"	0.0363	ND	81.1	30-150				
Heptachlor	0.0297	0.00180	"	0.0363	ND	81.9	30-150				
Heptachlor epoxide	0.0244	0.00180	"	0.0363	ND	67.1	30-150				
Methoxychlor	0.0219	0.00180	"	0.0363	ND	60.4	30-150				
Surrogate: Decachlorobiphenyl	*0.0591*		*"*	*0.0726*		*81.4*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0373*		*"*	*0.0726*		*51.4*	*30-150*				
Matrix Spike Dup (BD11384-M Matrix Spike Dup	*Source sample: 21D1078-01 (Matrix Spike Dup)								Prepared: 04/26/2021 Analyzed: 04/28/2021		
4,4'-DDD	0.0296	0.00180	mg/kg dry	0.0363	ND	81.4	30-150		9.73	30	
4,4'-DDE	0.0249	0.00180	"	0.0363	ND	68.5	30-150		6.60	30	
4,4'-DDT	0.0214	0.00180	"	0.0363	ND	58.8	30-150		0.0255	30	
Aldrin	0.0234	0.00180	"	0.0363	ND	64.4	30-150		5.71	30	
alpha-BHC	0.0243	0.00180	"	0.0363	ND	67.0	30-150		4.42	30	
alpha-Chlordane	0.0275	0.00180	"	0.0363	ND	75.8	30-150		5.85	30	
beta-BHC	0.0290	0.00180	"	0.0363	ND	79.9	30-150		1.66	30	
delta-BHC	0.0237	0.00180	"	0.0363	ND	65.3	30-150		3.50	30	
Dieldrin	0.0269	0.00180	"	0.0363	ND	74.1	30-150		3.93	30	
Endosulfan I	0.0262	0.00180	"	0.0363	ND	72.0	30-150		5.59	30	
Endosulfan II	0.0268	0.00180	"	0.0363	ND	73.9	30-150		7.39	30	
Endosulfan sulfate	0.0268	0.00180	"	0.0363	ND	73.9	30-150		2.93	30	
Endrin	0.0242	0.00180	"	0.0363	ND	66.7	30-150		4.15	30	
Endrin aldehyde	0.0227	0.00180	"	0.0363	ND	62.6	30-150		13.3	30	
Endrin ketone	0.0276	0.00180	"	0.0363	ND	76.2	30-150		3.86	30	
gamma-BHC (Lindane)	0.0239	0.00180	"	0.0363	ND	65.9	30-150		5.18	30	
gamma-Chlordane	0.0283	0.00180	"	0.0363	ND	78.0	30-150		3.92	30	
Heptachlor	0.0292	0.00180	"	0.0363	ND	80.3	30-150		2.02	30	
Heptachlor epoxide	0.0253	0.00180	"	0.0363	ND	69.8	30-150		3.98	30	
Methoxychlor	0.0213	0.00180	"	0.0363	ND	58.8	30-150		2.76	30	
Surrogate: Decachlorobiphenyl	*0.0569*		*"*	*0.0726*		*78.3*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0337*		*"*	*0.0726*		*46.4*	*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 Y1D0212 - BC11630											
Performance Mix (Y1D0212-F Performance Mix										Prepared & Analyzed: 04/01/2021	
4,4'-DDD	10.7		ng/mL	0.00			0-200				
4,4'-DDE	0.811		"	0.00			0-200				
4,4'-DDT	247		"	200		123	0-200				
Endrin	129		"	100		129	0-200				
Endrin aldehyde	0.667		"	0.00			0-200				
Endrin ketone	2.54		"	0.00			0-200				
Batch Y1D2918 - BD11072											
Performance Mix (Y1D2918-F Performance Mix										Prepared & Analyzed: 04/28/2021	
4,4'-DDD	10.6		ng/mL	0.00			0-200				
4,4'-DDE	1.25		"	0.00			0-200				
4,4'-DDT	106		"	200		52.9	0-200				
Endrin	63.4		"	100		63.4	0-200				
Endrin aldehyde	1.40		"	0.00			0-200				
Endrin ketone	6.18		"	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 BD11384 - EPA 3550C											
Blank (BD11384-BLK2) Blank									Prepared: 04/26/2021 Analyzed: 04/27/2021		
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Aroclor 1262	ND	0.0166	"								
Aroclor 1268	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0555*		*"*	*0.0664*		*83.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0432*		*"*	*0.0664*		*65.0*	*30-120*				
LCS (BD11384-BS2) LCS									Prepared: 04/26/2021 Analyzed: 04/27/2021		
Aroclor 1016	0.326	0.0166	mg/kg wet	0.332		98.0	40-130				
Aroclor 1260	0.307	0.0166	"	0.332		92.3	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0535*		*"*	*0.0664*		*80.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0382*		*"*	*0.0664*		*57.5*	*30-120*				
Matrix Spike (BD11384-MS2) Matrix Spike *Source sample: 21D1078-01 (Matrix Spike)									Prepared: 04/26/2021 Analyzed: 04/27/2021		
Aroclor 1016	0.241	0.0181	mg/kg dry	0.363	ND	66.4	40-140				
Aroclor 1260	0.260	0.0181	"	0.363	ND	71.6	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0537*		*"*	*0.0726*		*74.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0410*		*"*	*0.0726*		*56.5*	*30-120*				
Matrix Spike Dup (BD11384-M Matrix Spike Dup *Source sample: 21D1078-01 (Matrix Spike Dup)									Prepared: 04/26/2021 Analyzed: 04/27/2021		
Aroclor 1016	0.247	0.0181	mg/kg dry	0.363	ND	68.1	40-140		2.44	50	
Aroclor 1260	0.267	0.0181	"	0.363	ND	73.6	40-140		2.73	50	
Surrogate: Tetrachloro-m-xylene	*0.0537*		*"*	*0.0726*		*74.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0403*		*"*	*0.0726*		*55.5*	*30-120*				

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 Y1D2733 - BD11407											
Aroclor Reference (Y1D2733- Aroclor Reference									Prepared & Analyzed: 04/27/2021		
Surrogate: Tetrachloro-m-xylene	*0.216*		*ug/mL*	*0.200*		*108*					
Surrogate: Decachlorobiphenyl	*0.188*		*"*	*0.200*		*94.0*					

Chlorinated Herbicides 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 BD11490 - EPA 3550C/8151A											
Blank (BD11490-BLK1) Blank								Prepared & Analyzed: 04/28/2021			
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.251*		*"*	*0.415*		*60.4*	*21-150*				
LCS (BD11490-BS1) LCS								Prepared & Analyzed: 04/28/2021			
2,4,5-T	0.0988	0.0199	mg/kg wet	0.133		74.4	10-120				
2,4,5-TP (Silvex)	0.114	0.0199	"	0.133		85.6	10-120				
2,4-D	0.102	0.0199	"	0.133		76.9	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.160*		*"*	*0.415*		*38.6*	*21-150*				
Matrix Spike (BD11490-MS1) Matrix Spike *Source sample: 21D1078-01 (Matrix Spike)								Prepared & Analyzed: 04/28/2021			
2,4,5-T	0.0572	0.0218	mg/kg dry	0.145	ND	39.4	10-120				
2,4,5-TP (Silvex)	0.0717	0.0218	"	0.145	ND	49.4	10-120				
2,4-D	0.0617	0.0218	"	0.145	ND	42.5	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.344*		*"*	*0.454*		*75.8*	*21-150*				
Matrix Spike Dup (BD11490-M Matrix Spike Dup *Source sample: 21D1078-01 (Matrix Spike Dup)								Prepared & Analyzed: 04/28/2021			
2,4,5-T	0.0617	0.0218	mg/kg dry	0.145	ND	42.5	10-120		7.63	35	
2,4,5-TP (Silvex)	0.0772	0.0218	"	0.145	ND	53.1	10-120		7.32	35	
2,4-D	0.0654	0.0218	"	0.145	ND	45.0	10-118		5.71	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.313*		*"*	*0.454*		*69.0*	*21-150*				

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 BD11335 - EPA 3050B											
Blank (BD11335-BLK1) Blank									Prepared: 04/23/2021 Analyzed: 04/26/2021		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	9.18	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BD11335-DUP1) Duplicate *Source sample: 21D1113-02 (Duplicate)									Prepared: 04/23/2021 Analyzed: 04/26/2021		
Aluminum	4610	5.32	mg/kg dry		5290				13.7	35	
Antimony	ND	2.66	"		ND					35	
Arsenic	ND	1.60	"		1.87					35	
Barium	17.4	2.66	"		22.5				25.1	35	
Beryllium	ND	0.053	"		ND					35	
Cadmium	ND	0.319	"		ND					35	
Calcium	2630	5.32	"		3190				19.1	35	
Chromium	6.63	0.532	"		9.26				33.1	35	
Cobalt	2.52	0.426	"		3.07				19.7	35	
Copper	6.18	2.13	"		8.69				33.7	35	
Iron	7780	26.6	"		8410				7.75	35	
Lead	8.96	0.532	"		13.9				43.0	35	Non-dir.
Magnesium	1110	5.32	"		1190				6.28	35	
Manganese	84.1	0.532	"		83.3				0.942	35	
Nickel	5.03	1.06	"		6.21				21.0	35	
Potassium	531	5.32	"		662				22.1	35	
Selenium	ND	2.66	"		ND					35	
Silver	ND	0.532	"		ND					35	
Sodium	105	53.2	"		132				22.9	35	
Thallium	ND	2.66	"		ND					35	
Vanadium	11.5	1.06	"		14.2				21.0	35	
Zinc	17.4	2.66	"		24.5				33.7	35	

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 BD11335 - EPA 3050B											
Matrix Spike (BD11335-MS1) Matrix Spike	*Source sample: 21D1113-02 (Matrix Spike)							Prepared: 04/23/2021 Analyzed: 04/26/2021			
Aluminum	5070	5.32	mg/kg dry	213	5290	NR	75-125	Low Bias			
Antimony	8.68	2.66	"	26.6	ND	32.6	75-125	Low Bias			
Arsenic	212	1.60	"	213	1.87	98.5	75-125				
Barium	235	2.66	"	213	22.5	100	75-125				
Beryllium	4.65	0.053	"	5.32	ND	87.4	75-125				
Cadmium	5.45	0.319	"	5.32	ND	102	75-125				
Calcium	3080	5.32	"	106	3190	NR	75-125	Low Bias			
Chromium	27.7	0.532	"	21.3	9.26	86.6	75-125				
Cobalt	57.7	0.426	"	53.2	3.07	103	75-125				
Copper	33.8	2.13	"	26.6	8.69	94.4	75-125				
Iron	9860	26.6	"	106	8410	NR	75-125	High Bias			
Lead	69.2	0.532	"	53.2	13.9	104	75-125				
Magnesium	1340	5.32	"	106	1190	143	75-125	High Bias			
Manganese	159	0.532	"	53.2	83.3	143	75-125	High Bias			
Nickel	60.8	1.06	"	53.2	6.21	103	75-125				
Potassium	701	5.32	"	106	662	36.6	75-125	Low Bias			
Selenium	182	2.66	"	213	ND	85.6	75-125				
Silver	4.52	0.532	"	5.32	ND	85.0	75-125				
Sodium	224	53.2	"	106	132	86.7	75-125				
Thallium	211	2.66	"	213	ND	99.0	75-125				
Vanadium	67.1	1.06	"	53.2	14.2	99.5	75-125				
Zinc	81.8	2.66	"	53.2	24.5	108	75-125				
Post Spike (BD11335-PS1) Post Spike	*Source sample: 21D1113-02 (Post Spike)							Prepared: 04/23/2021 Analyzed: 04/26/2021			
Aluminum	51.8		ug/mL	2.00	49.7	105	75-125				
Antimony	0.273		"	0.250	-0.007	109	75-125				
Arsenic	2.10		"	2.00	0.018	104	75-125				
Barium	2.40		"	2.00	0.211	110	75-125				
Beryllium	0.046		"	0.0500	-0.006	92.8	75-125				
Cadmium	0.053		"	0.0500	0.0006	105	75-125				
Calcium	30.8		"	1.00	30.0	83.8	75-125				
Chromium	0.292		"	0.200	0.087	103	75-125				
Cobalt	0.585		"	0.500	0.029	111	75-125				
Copper	0.348		"	0.250	0.082	107	75-125				
Iron	79.9		"	1.00	79.0	89.6	75-125				
Lead	0.676		"	0.500	0.130	109	75-125				
Magnesium	12.2		"	1.00	11.2	102	75-125				
Manganese	1.32		"	0.500	0.782	107	75-125				
Nickel	0.619		"	0.500	0.058	112	75-125				
Potassium	7.37		"	1.00	6.22	115	75-125				
Selenium	1.81		"	2.00	-0.066	90.6	75-125				
Silver	0.022		"	0.0500	-0.015	44.7	75-125	Low Bias			
Sodium	2.35		"	1.00	1.24	111	75-125				
Thallium	2.08		"	2.00	-0.027	104	75-125				
Vanadium	0.656		"	0.500	0.133	104	75-125				
Zinc	0.763		"	0.500	0.230	107	75-125				

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 BD11335 - EPA 3050B											
Reference (BD11335-SRM1) Reference									Prepared: 04/23/2021 Analyzed: 04/26/2021		
Aluminum	8850	5.00	mg/kg wet	8190		108	50.5-150.1				
Antimony	62.9	2.50	"	110		57.2	19-251.7				
Arsenic	164	1.50	"	162		101	70.1-129.8				
Barium	145	2.50	"	138		105	75-125				
Beryllium	160	0.050	"	157		102	75-125.2				
Cadmium	140	0.300	"	135		104	74.8-125.2				
Calcium	4890	5.00	"	4790		102	72.7-127.5				
Chromium	118	0.500	"	117		100	70.1-129.9				
Cobalt	98.5	0.400	"	92.6		106	75-125				
Copper	145	2.00	"	143		102	75.3-125.3				
Iron	13600	25.0	"	15100		90.1	35.8-164.6				
Lead	75.3	0.500	"	77.6		97.1	70-130				
Magnesium	2340	5.00	"	2320		101	61.7-137.8				
Manganese	336	0.500	"	319		105	78.1-122				
Nickel	90.3	1.00	"	79.9		113	70.1-130.1				
Potassium	2090	5.00	"	2050		102	59.1-140.9				
Selenium	146	2.50	"	172		84.9	55.7-144.5				
Silver	22.9	0.500	"	24.7		92.7	69.2-130.8				
Sodium	153	50.0	"	137		111	36.1-163.3				
Thallium	84.1	2.50	"	88.0		95.6	65.3-146.8				
Vanadium	97.8	1.00	"	99.9		97.9	67-133.1				
Zinc	309	2.50	"	312		99.1	69.9-130.1				

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 BD11447 - EPA 7473 soil											
Blank (BD11447-BLK1) Blank								Prepared & Analyzed: 04/27/2021			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BD11447-DUP1) Duplicate	*Source sample: 21D1140-14 (Duplicate)							Prepared & Analyzed: 04/27/2021			
Mercury	0.202	0.0335	mg/kg dry		0.153				27.7	35	
Duplicate (BD11447-DUP2) Duplicate	*Source sample: 21D0954-02 (Duplicate)							Prepared & Analyzed: 04/27/2021			
Mercury	0.587	0.0353	mg/kg dry		0.522				11.8	35	
Matrix Spike (BD11447-MS1) Matrix Spike	*Source sample: 21D1140-14 (Matrix Spike)							Prepared & Analyzed: 04/27/2021			
Mercury	0.635		mg/kg	0.500	0.137	99.7	75-125				
Matrix Spike (BD11447-MS2) Matrix Spike	*Source sample: 21D0954-02 (Matrix Spike)							Prepared & Analyzed: 04/27/2021			
Mercury	0.959		mg/kg	0.500	0.444	103	75-125				
Reference (BD11447-SRM1) Reference								Prepared & Analyzed: 04/27/2021			
Mercury	26.702		mg/kg	27.2		98.2	59.9-140.1				

Miscellaneous Physical Parameters - 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 BD11430 - % Solids Prep											
Duplicate (BD11430-DUP1) Duplicate	*Source sample: 21D1188-07 (Duplicate)							Prepared & Analyzed: 04/27/2021			
% Solids	91.6	0.100	%		90.7				0.954	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21D1065-01	SB01_0-2	40mL Vial with Stir Bar-Cool 4° C
21D1065-03	SB02_0-2	40mL Vial with Stir Bar-Cool 4° C
21D1065-06	SB03_14-16	40mL Vial with Stir Bar-Cool 4° C
21D1065-07	SB04_2-4	40mL Vial with Stir Bar-Cool 4° C
21D1065-09	SB05_10-12	40mL Vial with Stir Bar-Cool 4° C
21D1065-11	SB06_1-3	40mL Vial with Stir Bar-Cool 4° C
21D1065-13	SODUP01_042221	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-Alk	The surrogate recoveries for the acid surrogates in the sample recovered below control limits due to a highly alkaline matrix present in the sample. This is common when concrete or mixtures containing concrete or limestone are encountered.
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.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
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-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-CRL	The RL check for this element recovered outside of control limits.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
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.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
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-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.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615 | 132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

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.

YORK Project No. 21D1065

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 W 31st Street, 8th Fl. New York, NY 10001	Address:	Address:
Phone.: 212-479-5400	Phone.:	Phone.:
Contact: Paul McMahon	Contact:	Contact:
E-mail: pmcmahon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170655401

YOUR Project Name: Vital Brooklyn Site (EFGH)

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

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.

Tyler Zorn

Samples Collected by: (print your name above and sign below)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil ¦ Other

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS
NY ASP B Package		NJDEP SRP HazSite
	NJDKQP	Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB01-0-2	S	4/22/21 10:00	Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals, Pesticides/Herbicides	
SB01-10-12		4/22/21 10:05	Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals	HOLD
SB02-0-2		4/22/21 13:15	Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals, Pesticides/Herbicides	
SB02-12-14		4/22/21 13:20	Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals	HOLD
SB03-2-4		4/22/21 12:20		HOLD
SB03-14-16		4/22/21 12:25		
SB04-2-4		4/22/21 15:25		
SB04-11-13		4/22/21 15:30		HOLD
SB05-10-12		4/22/21 11:20		
SB05-21-23		4/22/21 11:20		HOLD

Comments: please also email to dcasey@langan.com and datamanagement@langan.com

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Tyler Zorn / Langan	4/22/21		4/22/21 1655		1945
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				K Blocker	4/22/21 1945

Temp. Received at Lab: 3.6 Degrees C

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

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.

YORK Project No.: 21D1065

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 W 31st Street, 8th Fl. New York, NY 10001	Address:	Address:
Phone.: 212-479-5400	Phone.:	Phone.:
Contact: Paul McMahon	Contact:	Contact:
E-mail: pmcmahon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170655401

YOUR Project Name: Vital Brooklyn Site (EFGH)

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

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.

Tyler Zorn

Samples Collected by: (print your name above and sign below)

TZ

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil ⋮ Other

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

Summary Report; CT RCP; Standard Excel EDD
QA Report; CT RCP DQA/DUE; EQuIS (Standard)
NY ASP A Package; NJDEP Reduced Deliverables; NYSDEC EQuIS
NY ASP B Package; NJDEP SRP HazSite
NJDKQP; Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB06_1-3	S	4/22/21 14:10	Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals	
SB06_22-24	↓	4/22/21 14:15	↓	HOLD
SODUP01-042221	↓	4/22/21	↓	

Comments:
please also email to dcasey@langan.com and data management@langan.com

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	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Tyler Zorn / TZ / Langan	4/22/21	Ed/Ln	4/22/21 1655	Ed/Ln	4/22/21
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				KBlackman	4/22/21 1945 / 3.6 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

Report Date: 04/28/2021
Client Project ID: 170655401
York Project (SDG) No.: 21D1067

Report Date: 04/28/2021
Client Project ID: 170655401
York Project (SDG) No.: 21D1067

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 23, 2021 and listed below. The project was identified as your project: **170655401**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21D1067-01	SG01_042221	Soil Vapor	04/22/2021	04/23/2021
21D1067-02	SSSG01_042221	Soil Vapor	04/22/2021	04/23/2021

General Notes for York Project (SDG) No.: 21D1067

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

Approved By: 

Date: 04/28/2021

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SG01_042221 **York Sample ID:** 21D1067-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1067	170655401	Soil Vapor	April 22, 2021 12:10 pm	04/23/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	5.1	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND	IS-HI	ug/m³	4.1	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	5.1	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	IS-HI	ug/m³	5.7	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	4.1	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND	IS-HI	ug/m³	3.0	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	**1,1-Dichloroethylene**	**0.88**	IS-HI	ug/m³	0.74	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	5.5	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**6.6**		ug/m³	3.7	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	5.7	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	4.5	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND	IS-HI	ug/m³	3.0	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	3.4	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND	IS-HI	ug/m³	5.2	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	3.7	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	**1,3-Butadiene**	**36**	IS-HI	ug/m³	4.9	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	4.5	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	3.4	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	4.5	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	5.4	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**5.9**	IS-HI	ug/m³	2.2	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SG01_042221 **York Sample ID:** 21D1067-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1067	170655401	Soil Vapor	April 22, 2021 12:10 pm	04/23/2021

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m³	6.1	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:			
107-05-1	3-Chloropropene	ND	IS-HI	ug/m³	12	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	3.0	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**21**	IS-HI	ug/m³	3.5	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND	IS-HI	ug/m³	1.6	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**11**	IS-HI	ug/m³	2.4	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	3.8	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	5.0	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	7.7	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND	IS-HI	ug/m³	2.9	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**3.9**	IS-HI	ug/m³	2.3	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	Carbon tetrachloride	ND	IS-HI	ug/m³	1.2	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	3.4	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND	IS-HI	ug/m³	2.0	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND	IS-HI	ug/m³	3.6	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND	IS-HI	ug/m³	1.5	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND	IS-HI	ug/m³	0.74	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	3.4	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**6.1**	IS-HI	ug/m³	2.6	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	6.3	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	Dichlorodifluoromethane	ND	IS-HI	ug/m³	3.7	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND	IS-HI	ug/m³	5.4	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:			

Sample Information

Client Sample ID: SG01_042221 **York Sample ID:** 21D1067-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1067	170655401	Soil Vapor	April 22, 2021 12:10 pm	04/23/2021

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**11**		ug/m³	3.2	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	7.9	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	Isopropanol	ND	IS-HI	ug/m³	3.7	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	3.0	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	IS-HI	ug/m³	2.7	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**22**	IS-HI	ug/m³	5.2	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**16**	IS-HI	ug/m³	3.0	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**31**	IS-HI	ug/m³	2.6	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**10**		ug/m³	3.2	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**32**		ug/m³	6.5	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**11**		ug/m³	3.7	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:			
115-07-1	*** Propylene**	**610**	IS-HI	ug/m³	1.3	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:			
100-42-5	**Styrene**	**3.2**		ug/m³	3.2	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**42**		ug/m³	5.0	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND	IS-HI	ug/m³	4.4	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:			
108-88-3	**Toluene**	**35**		ug/m³	2.8	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND	IS-HI	ug/m³	2.9	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	3.4	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	Trichloroethylene	ND		ug/m³	1.0	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	Trichlorofluoromethane (Freon 11)	ND	IS-HI	ug/m³	4.2	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND	IS-HI	ug/m³	2.6	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND	IS-HI	ug/m³	3.3	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SG01_042221 **York Sample ID:** 21D1067-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1067	170655401	Soil Vapor	April 22, 2021 12:10 pm	04/23/2021

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	IS-HI	ug/m³	0.95	7.435	EPA TO-15	04/27/2021 13:12	04/28/2021 10:13	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SSSG01_042221 **York Sample ID:** 21D1067-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1067	170655401	Soil Vapor	April 22, 2021 12:56 pm	04/23/2021

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.1	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:			
71-55-6	**1,1,1-Trichloroethane**	**1.5**		ug/m³	0.91	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.1	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.3	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.91	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.67	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.16	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.2	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**15**		ug/m³	0.82	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.0	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.67	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.77	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	**1,3,5-Trimethylbenzene**	**3.3**		ug/m³	0.82	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	1.1	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.0	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.77	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.0	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	1.2	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**1.3**		ug/m³	0.49	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	1.4	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:			

Sample Information

Client Sample ID: SSSG01_042221 **York Sample ID:** 21D1067-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1067	170655401	Soil Vapor	April 22, 2021 12:56 pm	04/23/2021

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/m³	2.6	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	**4-Methyl-2-pentanone**	**0.95**		ug/m³	0.68	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**6.6**		ug/m³	0.79	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.36	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**0.58**		ug/m³	0.53	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.86	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	1.7	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.64	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	Carbon disulfide	ND		ug/m³	0.52	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.42**		ug/m³	0.26	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.76	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.44	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	**Chloroform**	**11**		ug/m³	0.81	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	**Chloromethane**	**0.51**		ug/m³	0.34	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.16	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.75	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**13**		ug/m³	0.57	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.2**		ug/m³	0.82	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	1.2	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**12**		ug/m³	0.72	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SSSG01_042221 **York Sample ID:** 21D1067-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1067	170655401	Soil Vapor	April 22, 2021 12:56 pm	04/23/2021

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
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.8	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**7.4**		ug/m³	0.82	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	**Methyl Methacrylate**	**1.6**		ug/m³	0.68	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.60	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**5.9**		ug/m³	1.2	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**1.2**		ug/m³	0.68	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**0.82**		ug/m³	0.59	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**13**		ug/m³	0.72	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**43**		ug/m³	1.4	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	*** p-Ethyltoluene**	**17**		ug/m³	0.82	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:			
115-07-1	*** Propylene**	**3.2**		ug/m³	0.29	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:			
100-42-5	**Styrene**	**3.0**		ug/m³	0.71	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**47**		ug/m³	1.1	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	*** Tetrahydrofuran**	**1.2**		ug/m³	0.98	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:			
108-88-3	**Toluene**	**14**		ug/m³	0.63	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.66	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.75	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m³	0.22	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.4**		ug/m³	0.93	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.58	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.73	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.21	1.661	EPA TO-15	04/27/2021 13:12	04/28/2021 09:12	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SSSG01_042221** **York Sample ID:** **21D1067-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1067	170655401	Soil Vapor	April 22, 2021 12:56 pm	04/23/2021

Analytical Batch Summary

Batch ID: BD11467 **Preparation Method:** EPA TO15 PREP **Prepared By:** LJ

YORK Sample ID	Client Sample ID	Preparation Date
21D1067-01	SG01_042221	04/27/21
21D1067-02	SSSG01_042221	04/27/21
BD11467-BLK1	Blank	04/27/21
BD11467-BS1	LCS	04/27/21
BD11467-DUP1	Duplicate	04/27/21

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 BD11467 - EPA TO15 PREP											
Blank (BD11467-BLK1) Blank									Prepared & Analyzed: 04/27/2021		
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
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 BD11467 - EPA TO15 PREP											
Blank (BD11467-BLK1) Blank									Prepared & Analyzed: 04/27/2021		
n-Hexane	ND	0.35	ug/m³								
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	0.68	"								
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	0.13	"								
LCS (BD11467-BS1) LCS									Prepared & Analyzed: 04/27/2021		
1,1,1,2-Tetrachloroethane	10.5		ppbv	10.0		105	70-130				
1,1,1-Trichloroethane	10.3		"	10.0		103	70-130				
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	70-130				
1,1,2-Trichloroethane	11.1		"	10.0		111	70-130				
1,1-Dichloroethane	9.94		"	10.0		99.4	70-130				
1,1-Dichloroethylene	10.1		"	10.0		101	70-130				
1,2,4-Trichlorobenzene	12.3		"	10.0		123	70-130				
1,2,4-Trimethylbenzene	11.9		"	10.0		119	70-130				
1,2-Dibromoethane	11.6		"	10.0		116	70-130				
1,2-Dichlorobenzene	10.7		"	10.0		107	70-130				
1,2-Dichloroethane	10.2		"	10.0		102	70-130				
1,2-Dichloropropane	11.6		"	10.0		116	70-130				
1,2-Dichlorotetrafluoroethane	10.7		"	10.0		107	70-130				
1,3,5-Trimethylbenzene	11.5		"	10.0		115	70-130				
1,3-Butadiene	9.69		"	10.0		96.9	70-130				
1,3-Dichlorobenzene	11.0		"	10.0		110	70-130				
1,3-Dichloropropane	11.4		"	10.0		114	70-130				
1,4-Dichlorobenzene	11.4		"	10.0		114	70-130				
1,4-Dioxane	12.6		"	10.0		126	70-130				
2-Butanone	10.8		"	10.0		108	70-130				
2-Hexanone	12.7		"	10.0		127	70-130				
3-Chloropropene	11.5		"	10.0		115	70-130				
4-Methyl-2-pentanone	12.0		"	10.0		120	70-130				
Acetone	8.65		"	10.0		86.5	70-130				
Acrylonitrile	10.8		"	10.0		108	70-130				
Benzene	10.2		"	10.0		102	70-130				
Benzyl chloride	10.4		"	10.0		104	70-130				
Bromodichloromethane	10.8		"	10.0		108	70-130				
Bromoform	11.1		"	10.0		111	70-130				
Bromomethane	11.5		"	10.0		115	70-130				
Carbon disulfide	9.90		"	10.0		99.0	70-130				
Carbon tetrachloride	9.59		"	10.0		95.9	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 BD11467 - EPA TO15 PREP											
LCS (BD11467-BS1) LCS							Prepared & Analyzed: 04/27/2021				
Chlorobenzene	10.3		ppbv	10.0		103	70-130				
Chloroethane	10.4		"	10.0		104	70-130				
Chloroform	10.3		"	10.0		103	70-130				
Chloromethane	9.42		"	10.0		94.2	70-130				
cis-1,2-Dichloroethylene	9.95		"	10.0		99.5	70-130				
cis-1,3-Dichloropropylene	12.5		"	10.0		125	70-130				
Cyclohexane	11.7		"	10.0		117	70-130				
Dibromochloromethane	11.2		"	10.0		112	70-130				
Dichlorodifluoromethane	10.6		"	10.0		106	70-130				
Ethyl acetate	11.2		"	10.0		112	70-130				
Ethyl Benzene	11.0		"	10.0		110	70-130				
Hexachlorobutadiene	9.29		"	10.0		92.9	70-130				
Isopropanol	9.36		"	10.0		93.6	70-130				
Methyl Methacrylate	12.4		"	10.0		124	70-130				
Methyl tert-butyl ether (MTBE)	11.1		"	10.0		111	70-130				
Methylene chloride	9.49		"	10.0		94.9	70-130				
n-Heptane	11.7		"	10.0		117	70-130				
n-Hexane	9.35		"	10.0		93.5	70-130				
o-Xylene	12.0		"	10.0		120	70-130				
p- & m- Xylenes	21.9		"	20.0		110	70-130				
p-Ethyltoluene	12.0		"	10.0		120	70-130				
Propylene	11.2		"	10.0		112	70-130				
Styrene	12.4		"	10.0		124	70-130				
Tetrachloroethylene	10.4		"	10.0		104	70-130				
Tetrahydrofuran	10.7		"	10.0		107	70-130				
Toluene	9.91		"	10.0		99.1	70-130				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	70-130				
trans-1,3-Dichloropropylene	12.4		"	10.0		124	70-130				
Trichloroethylene	10.3		"	10.0		103	70-130				
Trichlorofluoromethane (Freon 11)	10.0		"	10.0		100	70-130				
Vinyl acetate	11.5		"	10.0		115	70-130				
Vinyl bromide	11.0		"	10.0		110	70-130				
Vinyl Chloride	8.83		"	10.0		88.3	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BD11467 - EPA TO15 PREP

Duplicate (BD11467-DUP1) Duplicate *Source sample: 21D1067-01 (SG01_042221) Prepared: 04/27/2021 Analyzed: 04/28/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	ND	5.1	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	4.1	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	5.1	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.7	"		ND					25	
1,1,2-Trichloroethane	ND	4.1	"		ND					25	
1,1-Dichloroethane	ND	3.0	"		ND					25	
1,1-Dichloroethylene	ND	0.74	"		0.88					25	
1,2,4-Trichlorobenzene	ND	5.5	"		ND					25	
1,2,4-Trimethylbenzene	6.9	3.7	"		6.6				5.41	25	
1,2-Dibromoethane	ND	5.7	"		ND					25	
1,2-Dichlorobenzene	ND	4.5	"		ND					25	
1,2-Dichloroethane	ND	3.0	"		ND					25	
1,2-Dichloropropane	ND	3.4	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	5.2	"		ND					25	
1,3,5-Trimethylbenzene	2.2	3.7	"		ND					25	
1,3-Butadiene	37	4.9	"		36				2.68	25	
1,3-Dichlorobenzene	ND	4.5	"		ND					25	
1,3-Dichloropropane	ND	3.4	"		ND					25	
1,4-Dichlorobenzene	ND	4.5	"		ND					25	
1,4-Dioxane	ND	5.4	"		ND					25	
2-Butanone	5.9	2.2	"		5.9				0.00	25	
2-Hexanone	ND	6.1	"		ND					25	
3-Chloropropene	ND	12	"		ND					25	
4-Methyl-2-pentanone	ND	3.0	"		ND					25	
Acetone	22	3.5	"		21				4.05	25	
Acrylonitrile	ND	1.6	"		ND					25	
Benzene	11	2.4	"		11				0.00	25	
Benzyl chloride	ND	3.8	"		ND					25	
Bromodichloromethane	ND	5.0	"		ND					25	
Bromoform	ND	7.7	"		ND					25	
Bromomethane	ND	2.9	"		ND					25	
Carbon disulfide	4.2	2.3	"		3.9				5.71	25	
Carbon tetrachloride	ND	1.2	"		ND					25	
Chlorobenzene	ND	3.4	"		ND					25	
Chloroethane	ND	2.0	"		ND					25	
Chloroform	ND	3.6	"		ND					25	
Chloromethane	ND	1.5	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.74	"		ND					25	
cis-1,3-Dichloropropylene	ND	3.4	"		ND					25	
Cyclohexane	6.7	2.6	"		6.1				8.00	25	
Dibromochloromethane	ND	6.3	"		ND					25	
Dichlorodifluoromethane	ND	3.7	"		ND					25	
Ethyl acetate	ND	5.4	"		ND					25	
Ethyl Benzene	11	3.2	"		11				2.99	25	
Hexachlorobutadiene	ND	7.9	"		ND					25	
Isopropanol	1.8	3.7	"		ND					25	
Methyl Methacrylate	1.5	3.0	"		2.1				33.3	25	Non-dir.
Methyl tert-butyl ether (MTBE)	ND	2.7	"		ND					25	
Methylene chloride	22	5.2	"		22				1.18	25	
n-Heptane	16	3.0	"		16				1.87	25	
n-Hexane	33	2.6	"		31				6.56	25	

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 BD11467 - EPA TO15 PREP											
Duplicate (BD11467-DUP1) Duplicate	*Source sample: 21D1067-01 (SG01_042221)								Prepared: 04/27/2021 Analyzed: 04/28/2021		
o-Xylene	10	3.2	ug/m³		10				0.00	25	
p- & m- Xylenes	32	6.5	"		32				1.01	25	
p-Ethyltoluene	11	3.7	"		11				0.00	25	
Propylene	600	1.3	"		610				0.888	25	
Styrene	3.5	3.2	"		3.2				9.52	25	
Tetrachloroethylene	43	5.0	"		42				2.38	25	
Tetrahydrofuran	1.3	4.4	"		2.2				50.0	25	Non-dir.
Toluene	34	2.8	"		35				0.810	25	
trans-1,2-Dichloroethylene	ND	2.9	"		ND					25	
trans-1,3-Dichloropropylene	ND	3.4	"		ND					25	
Trichloroethylene	ND	1.0	"		ND					25	
Trichlorofluoromethane (Freon 11)	ND	4.2	"		ND					25	
Vinyl acetate	ND	2.6	"		ND					25	
Vinyl bromide	ND	3.3	"		ND					25	
Vinyl Chloride	ND	0.95	"		ND					25	

Sample and Data Qualifiers Relating to This Work Order

TO-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
IS-HI	The internal std associated with this target compound did not meet acceptance criteria (area >200% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record - AIR

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.

YORK Project No. 21D1067

YOUR Information	Report To:	Invoice To:
Company: Langan	Company: Langan	Company: Langan
Address: 360 W 31st Street, 8th fl NY, NY	Address: 360 W 31st St, 8th fl NY, NY	Address: 360 W 31st St, 8th fl NY, NY
Phone.: 212-479-5400	Phone.: 212-479-5400	Phone.: 212-479-5400
Contact: Paul Mcmahon	Contact: Paul Mcmahon	Contact: Paul Mcmahon
E-mail: pmcmahon@langan.com	E-mail: pmcmahon@langan.com	E-mail: pmcmahon@langan.com

YOUR Project Number: 170655401

YOUR Project Name: Vital Brooklyn - Site (EE&T)

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

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.

Farielle Brazier

Samples Collected by: (print your name above and sign below)

Air Matrix Codes

- AI - Indoor Ambient Air
- AO - Outdoor Amb. Air
- AE - Vapor Extraction Well/ Process Gas/Effluent
- AS - Soil Vapor/Sub-Slab

Samples From

- New York: X
- New Jersey
- Connecticut
- Pennsylvania
- Other

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
Other:		

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ___ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
SG01-042221	4/22/21 12:10	AS	-29.9	-5	28837	7090	TO-15 VOCs
SSG01-042221	4/22/21 12:56	AS	-29.5	-6	28853	13562	↓

Comments:
please also email to dcasey@langan.com and datamanagement@langan.com

Detection Limits Required

≤ 1 ug/m³ ___ NYSDEC V1 Limits ___
Routine Survey ___ Other ___

Sampling Media

- 6 Liter Canister
- Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Farielle Brazier			4/22/21 1655		4/23/21
Samples Received by / Company	**Date/Time**	**Samples Relinquished by / Company**	**Date/Time**	**Samples Received by / Company**	**Date/Time**
Samples Relinquished by / Company	**Date/Time**	**Samples Received by / Company**	**Date/Time**	**Samples Received in LAB by**	**Date/Time**
				[signature] York	4/23/21 9:46

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

Report Date: 04/30/2021
Client Project ID: 170655401
York Project (SDG) No.: 21D1068

Report Date: 04/30/2021
Client Project ID: 170655401
York Project (SDG) No.: 21D1068

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 22, 2021 and listed below. The project was identified as your project: **170655401**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21D1068-01	TMW05_042221	Water	04/22/2021	04/22/2021
21D1068-02	TMW04_042221	Water	04/22/2021	04/22/2021
21D1068-03	GWDUP01_042221	Water	04/22/2021	04/22/2021
21D1068-04	TB01_042221	Water	04/22/2021	04/22/2021

General Notes for York Project (SDG) No.: 21D1068

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

Approved By: 

Date: 04/30/2021

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: TMW05_042221 **York Sample ID:** 21D1068-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 1:03 pm	04/22/2021

Volatiles, 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	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TMW05_042221 **York Sample ID:** 21D1068-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 1:03 pm	04/22/2021

Volatiles, 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
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TMW05_042221 **York Sample ID:** 21D1068-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 1:03 pm	04/22/2021

Volatiles, 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
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**0.210**		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TMW05_042221 **York Sample ID:** 21D1068-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 1:03 pm	04/22/2021

Volatiles, 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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:41	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.9 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*91.5 %*	*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	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: TMW05_042221 **York Sample ID:** 21D1068-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 1:03 pm	04/22/2021

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	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: TMW05_042221 **York Sample ID:** 21D1068-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 1:03 pm	04/22/2021

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
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	NELAC-NY10854,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D	04/27/2021 07:58	04/28/2021 14:25	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*23.4 %*		*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*15.4 %*		*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*46.6 %*	S-08	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*54.2 %*		*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*54.5 %*		*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*66.8 %*		*30.7-106*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

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

Sample Information

Client Sample ID: TMW05_042221 **York Sample ID:** 21D1068-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 1:03 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/L	0.0513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
218-01-9	Chrysene	ND		ug/L	0.0513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/L	0.0513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/L	0.0513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: TMW05_042221 **York Sample ID:** 21D1068-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 1:03 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 15:34	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: TMW04_042221 **York Sample ID:** 21D1068-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:30 pm	04/22/2021

Volatiles, 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	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TMW04_042221 **York Sample ID:** 21D1068-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:30 pm	04/22/2021

Volatiles, 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
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**1.90**		ug/L	1.00	2.00	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	**Chloroform**	**3.48**		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TMW04_042221 **York Sample ID:** 21D1068-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:30 pm	04/22/2021

Volatiles, 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
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TMW04_042221 **York Sample ID:** 21D1068-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:30 pm	04/22/2021

Volatiles, 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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:07	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.1 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.2 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*91.1 %*	*79-122*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

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	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: TMW04_042221 **York Sample ID:** 21D1068-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:30 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:** EXT-EM

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	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.71	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.71	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.14	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: TMW04_042221 **York Sample ID:** 21D1068-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:30 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

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
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	NELAC-NY10854,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.71	11.4	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/L	2.86	5.71	1	EPA 8270D	04/27/2021 07:58	04/28/2021 15:00	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*15.6 %*	S-08	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*10.1 %*		*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*30.6 %*	S-08	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*35.7 %*	S-08	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*38.5 %*	S-08	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*48.8 %*		*30.7-106*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

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

Sample Information

Client Sample ID: TMW04_042221 **York Sample ID:** 21D1068-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:30 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**0.149**		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	**Anthracene**	**0.126**		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1912-24-9	Atrazine	ND		ug/L	0.571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
56-55-3	**Benzo(a)anthracene**	**0.183**		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	**Benzo(a)pyrene**	**0.217**		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**0.171**		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	**Benzo(g,h,i)perylene**	**0.149**		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	**Benzo(k)fluoranthene**	**0.183**		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
218-01-9	**Chrysene**	**0.206**		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**0.537**		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	**Fluorene**	**0.0571**		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0229	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.126**		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**0.137**		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.286	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.286	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: TMW04_042221 **York Sample ID:** 21D1068-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:30 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	**Phenanthrene**	**0.549**		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.423**		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: GWDUP01_042221 **York Sample ID:** 21D1068-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:55 pm	04/22/2021

Volatiles, 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	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: GWDUP01_042221 **York Sample ID:** 21D1068-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:55 pm	04/22/2021

Volatiles, 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
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: GWDUP01_042221 **York Sample ID:** 21D1068-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:55 pm	04/22/2021

Volatiles, 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
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**0.210**		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: GWDUP01_042221 **York Sample ID:** 21D1068-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:55 pm	04/22/2021

Volatiles, 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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	04/23/2021 06:47	04/23/2021 15:33	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.7 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*93.8 %*	*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	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: GWDUP01_042221 **York Sample ID:** 21D1068-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:55 pm	04/22/2021

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	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: GWDUP01_042221 **York Sample ID:** 21D1068-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:55 pm	04/22/2021

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
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
122-39-4	Diphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	NELAC-NY10854,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D	04/29/2021 08:40	04/29/2021 20:21	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*30.5 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*20.6 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*64.6 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*71.0 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*73.1 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*75.1 %*	*30.7-106*

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

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

Sample Information

Client Sample ID: GWDUP01_042221 **York Sample ID:** 21D1068-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:55 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	Anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	Fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: GWDUP01_042221 **York Sample ID:** 21D1068-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:55 pm	04/22/2021

Semi-Volatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM	04/29/2021 08:40	04/29/2021 17:26	CD
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: TB01_042221 **York Sample ID:** 21D1068-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:55 pm	04/22/2021

Volatiles, 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	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB01_042221 **York Sample ID:** 21D1068-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:55 pm	04/22/2021

Volatiles, 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
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB01_042221 **York Sample ID:** 21D1068-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:55 pm	04/22/2021

Volatiles, 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
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB01_042221 **York Sample ID:** 21D1068-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1068	170655401	Water	April 22, 2021 4:55 pm	04/22/2021

Volatiles, 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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	04/23/2021 06:47	04/23/2021 14:15	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*96.1 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.2 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*90.9 %*	*79-122*

Analytical Batch Summary

Batch ID: BD11302 **Preparation Method:** EPA 5030B **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21D1068-01	TMW05_042221	04/23/21
21D1068-02	TMW04_042221	04/23/21
21D1068-03	GWDUP01_042221	04/23/21
21D1068-04	TB01_042221	04/23/21
BD11302-BLK1	Blank	04/23/21
BD11302-BS1	LCS	04/23/21
BD11302-BSD1	LCS Dup	04/23/21

Batch ID: BD11424 **Preparation Method:** EPA 3510C **Prepared By:** OC

YORK Sample ID	Client Sample ID	Preparation Date
21D1068-01	TMW05_042221	04/27/21
21D1068-02	TMW04_042221	04/27/21
BD11424-BLK1	Blank	04/27/21
BD11424-BLK2	Blank	04/27/21
BD11424-BS1	LCS	04/27/21
BD11424-BS2	LCS	04/27/21
BD11424-MS1	Matrix Spike	04/27/21
BD11424-MSD1	Matrix Spike Dup	04/27/21

Batch ID: BD11579 **Preparation Method:** EPA 3510C **Prepared By:** OC

YORK Sample ID	Client Sample ID	Preparation Date
21D1068-03	GWDUP01_042221	04/29/21
BD11579-BLK1	Blank	04/29/21
BD11579-BLK2	Blank	04/29/21
BD11579-BS1	LCS	04/29/21
BD11579-BS2	LCS	04/29/21
BD11579-BSD1	LCS Dup	04/29/21

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 BD11302 - EPA 5030B											
Blank (BD11302-BLK1) Blank									Prepared & Analyzed: 04/23/2021		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								

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 BD11302 - EPA 5030B											
Blank (BD11302-BLK1) Blank								Prepared & Analyzed: 04/23/2021			
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.60*		*"*	*10.0*		*96.0*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.97*		*"*	*10.0*		*99.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.26*		*"*	*10.0*		*92.6*	*79-122*				
LCS (BD11302-BS1) LCS								Prepared & Analyzed: 04/23/2021			
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126				
1,1,1-Trichloroethane	10.3		"	10.0		103	78-136				
1,1,2,2-Tetrachloroethane	9.15		"	10.0		91.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.8		"	10.0		138	54-165				
1,1,2-Trichloroethane	9.17		"	10.0		91.7	82-123				
1,1-Dichloroethane	9.39		"	10.0		93.9	82-129				
1,1-Dichloroethylene	11.5		"	10.0		115	68-138				
1,2,3-Trichlorobenzene	9.56		"	10.0		95.6	76-136				
1,2,3-Trichloropropane	9.37		"	10.0		93.7	77-128				
1,2,4-Trichlorobenzene	10.9		"	10.0		109	76-137				
1,2,4-Trimethylbenzene	11.8		"	10.0		118	82-132				
1,2-Dibromo-3-chloropropane	8.47		"	10.0		84.7	45-147				
1,2-Dibromoethane	9.38		"	10.0		93.8	83-124				
1,2-Dichlorobenzene	10.8		"	10.0		108	79-123				
1,2-Dichloroethane	8.71		"	10.0		87.1	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	12.0		"	10.0		120	80-131				
1,3-Dichlorobenzene	10.9		"	10.0		109	86-122				
1,4-Dichlorobenzene	11.0		"	10.0		110	85-124				
1,4-Dioxane	139		"	210		66.2	10-349				
2-Butanone	7.30		"	10.0		73.0	49-152				
2-Hexanone	7.07		"	10.0		70.7	51-146				
4-Methyl-2-pentanone	7.17		"	10.0		71.7	57-145				
Acetone	8.91		"	10.0		89.1	14-150				
Acrolein	10.2		"	10.0		102	10-153				
Acrylonitrile	9.39		"	10.0		93.9	51-150				
Benzene	11.0		"	10.0		110	85-126				
Bromochloromethane	9.38		"	10.0		93.8	77-128				
Bromodichloromethane	9.46		"	10.0		94.6	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 BD11302 - EPA 5030B											
LCS (BD11302-BS1) LCS							Prepared & Analyzed: 04/23/2021				
Bromoform	8.97		ug/L	10.0		89.7	78-133				
Bromomethane	9.29		"	10.0		92.9	43-168				
Carbon disulfide	12.3		"	10.0		123	68-146				
Carbon tetrachloride	10.6		"	10.0		106	77-141				
Chlorobenzene	10.9		"	10.0		109	88-120				
Chloroethane	12.7		"	10.0		127	65-136				
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	12.7		"	10.0		127	43-155				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	9.30		"	10.0		93.0	80-131				
Cyclohexane	9.94		"	10.0		99.4	63-149				
Dibromochloromethane	9.45		"	10.0		94.5	80-130				
Dibromomethane	9.26		"	10.0		92.6	72-134				
Dichlorodifluoromethane	20.6		"	10.0		206	44-144	High Bias			
Ethyl Benzene	11.5		"	10.0		115	80-131				
Hexachlorobutadiene	12.2		"	10.0		122	67-146				
Isopropylbenzene	11.8		"	10.0		118	76-140				
Methyl acetate	7.18		"	10.0		71.8	51-139				
Methyl tert-butyl ether (MTBE)	8.29		"	10.0		82.9	76-135				
Methylcyclohexane	12.8		"	10.0		128	72-143				
Methylene chloride	9.97		"	10.0		99.7	55-137				
n-Butylbenzene	11.9		"	10.0		119	79-132				
n-Propylbenzene	12.0		"	10.0		120	78-133				
o-Xylene	11.0		"	10.0		110	78-130				
p- & m- Xylenes	23.1		"	20.0		115	77-133				
p-Isopropyltoluene	12.3		"	10.0		123	81-136				
sec-Butylbenzene	12.5		"	10.0		125	79-137				
Styrene	10.9		"	10.0		109	67-132				
tert-Butyl alcohol (TBA)	29.2		"	50.0		58.5	25-162				
tert-Butylbenzene	10.2		"	10.0		102	77-138				
Tetrachloroethylene	11.5		"	10.0		115	82-131				
Toluene	11.2		"	10.0		112	80-127				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	80-132				
trans-1,3-Dichloropropylene	8.69		"	10.0		86.9	78-131				
Trichloroethylene	11.0		"	10.0		110	82-128				
Trichlorofluoromethane	12.6		"	10.0		126	67-139				
Vinyl Chloride	13.2		"	10.0		132	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.28*		*"*	*10.0*		*82.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.72*		*"*	*10.0*		*97.2*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BD11302 - EPA 5030B

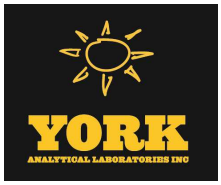
LCS Dup (BD11302-BSD1) LCS Dup — Prepared & Analyzed: 04/23/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82-126		0.870	30	
1,1,1-Trichloroethane	9.83		"	10.0		98.3	78-136		4.86	30	
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	76-129		9.57	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.0		"	10.0		130	54-165		6.04	30	
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123		10.4	30	
1,1-Dichloroethane	9.84		"	10.0		98.4	82-129		4.68	30	
1,1-Dichloroethylene	10.7		"	10.0		107	68-138		7.32	30	
1,2,3-Trichlorobenzene	10.6		"	10.0		106	76-136		9.85	30	
1,2,3-Trichloropropane	9.87		"	10.0		98.7	77-128		5.20	30	
1,2,4-Trichlorobenzene	11.2		"	10.0		112	76-137		2.17	30	
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132		12.0	30	
1,2-Dibromo-3-chloropropane	8.94		"	10.0		89.4	45-147		5.40	30	
1,2-Dibromoethane	10.5		"	10.0		105	83-124		11.3	30	
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123		4.63	30	
1,2-Dichloroethane	9.47		"	10.0		94.7	73-132		8.36	30	
1,2-Dichloropropane	10.5		"	10.0		105	78-126		1.24	30	
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131		13.2	30	
1,3-Dichlorobenzene	10.3		"	10.0		103	86-122		5.64	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124		7.25	30	
1,4-Dioxane	190		"	210		90.6	10-349		31.1	30	Non-dir.
2-Butanone	8.96		"	10.0		89.6	49-152		20.4	30	
2-Hexanone	8.74		"	10.0		87.4	51-146		21.1	30	
4-Methyl-2-pentanone	8.98		"	10.0		89.8	57-145		22.4	30	
Acetone	10.5		"	10.0		105	14-150		16.7	30	
Acrolein	12.6		"	10.0		126	10-153		21.1	30	
Acrylonitrile	11.4		"	10.0		114	51-150		19.3	30	
Benzene	10.8		"	10.0		108	85-126		1.65	30	
Bromochloromethane	9.67		"	10.0		96.7	77-128		3.04	30	
Bromodichloromethane	9.73		"	10.0		97.3	79-128		2.81	30	
Bromoform	10.2		"	10.0		102	78-133		12.8	30	
Bromomethane	9.03		"	10.0		90.3	43-168		2.84	30	
Carbon disulfide	11.7		"	10.0		117	68-146		5.41	30	
Carbon tetrachloride	9.96		"	10.0		99.6	77-141		5.85	30	
Chlorobenzene	10.7		"	10.0		107	88-120		1.67	30	
Chloroethane	12.2		"	10.0		122	65-136		4.42	30	
Chloroform	10.0		"	10.0		100	82-128		2.17	30	
Chloromethane	11.9		"	10.0		119	43-155		6.99	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		0.785	30	
cis-1,3-Dichloropropylene	9.61		"	10.0		96.1	80-131		3.28	30	
Cyclohexane	9.35		"	10.0		93.5	63-149		6.12	30	
Dibromochloromethane	10.3		"	10.0		103	80-130		8.80	30	
Dibromomethane	10.0		"	10.0		100	72-134		7.78	30	
Dichlorodifluoromethane	19.6		"	10.0		196	44-144	High Bias	5.23	30	
Ethyl Benzene	10.9		"	10.0		109	80-131		5.70	30	
Hexachlorobutadiene	12.0		"	10.0		120	67-146		1.82	30	
Isopropylbenzene	10.2		"	10.0		102	76-140		15.5	30	
Methyl acetate	8.87		"	10.0		88.7	51-139		21.1	30	
Methyl tert-butyl ether (MTBE)	9.85		"	10.0		98.5	76-135		17.2	30	
Methylcyclohexane	11.8		"	10.0		118	72-143		8.12	30	
Methylene chloride	9.97		"	10.0		99.7	55-137		0.00	30	
n-Butylbenzene	10.5		"	10.0		105	79-132		12.6	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 BD11302 - EPA 5030B											
LCS Dup (BD11302-BSD1) LCS Dup							Prepared & Analyzed: 04/23/2021				
n-Propylbenzene	10.3		ug/L	10.0		103	78-133		14.8	30	
o-Xylene	10.6		"	10.0		106	78-130		3.80	30	
p- & m- Xylenes	22.2		"	20.0		111	77-133		3.66	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		12.9	30	
sec-Butylbenzene	11.1		"	10.0		111	79-137		12.5	30	
Styrene	10.7		"	10.0		107	67-132		1.39	30	
tert-Butyl alcohol (TBA)	41.4		"	50.0		82.9	25-162		34.6	30	Non-dir.
tert-Butylbenzene	8.82		"	10.0		88.2	77-138		14.1	30	
Tetrachloroethylene	10.8		"	10.0		108	82-131		6.53	30	
Toluene	10.6		"	10.0		106	80-127		5.49	30	
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132		5.57	30	
trans-1,3-Dichloropropylene	9.44		"	10.0		94.4	78-131		8.27	30	
Trichloroethylene	10.3		"	10.0		103	82-128		6.37	30	
Trichlorofluoromethane	11.8		"	10.0		118	67-139		6.40	30	
Vinyl Chloride	12.2		"	10.0		122	58-145		7.58	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.20*		*"*	*10.0*		*92.0*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.18*		*"*	*10.0*		*91.8*	*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 BD11424 - EPA 3510C

Blank (BD11424-BLK1) Blank — Prepared: 04/27/2021 Analyzed: 04/28/2021

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	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	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	5.00	"
Benzoic acid	ND	5.00	"
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	"
Caprolactam	ND	5.00	"
Carbazole	ND	5.00	"
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	"
Diphenylamine	ND	5.00	"
Hexachlorocyclopentadiene	ND	10.0	"
Isophorone	ND	5.00	"
N-nitroso-di-n-propylamine	ND	5.00	"
N-Nitrosodiphenylamine	ND	5.00	"
Phenol	ND	5.00	"
Pyridine	ND	5.00	"

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD11424 - EPA 3510C											
Blank (BD11424-BLK1) Blank											
										Prepared: 04/27/2021 Analyzed: 04/28/2021	
Surrogate: SURR: 2-Fluorophenol	*13.5*		*ug/L*	*50.0*		*27.0*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*8.60*		*"*	*50.0*		*17.2*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*12.7*		*"*	*25.0*		*50.7*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*15.4*		*"*	*25.0*		*61.4*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*29.6*		*"*	*50.0*		*59.3*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*17.1*		*"*	*25.0*		*68.3*	*30.7-106*				
Blank (BD11424-BLK2) Blank											
										Prepared: 04/27/2021 Analyzed: 04/28/2021	
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	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	5.00	"								
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	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								

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 BD11424 - EPA 3510C											
Blank (BD11424-BLK2) Blank									Prepared: 04/27/2021 Analyzed: 04/28/2021		
Bis(2-chloroethoxy)methane	ND	5.00	ug/L								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Caprolactam	ND	5.00	"								
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	"								
Diphenylamine	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
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	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	*0.00*		*"*	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		*"*	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		*"*	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		*"*	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		*"*	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		*"*	*25.0*			*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 BD11424 - EPA 3510C											
LCS (BD11424-BS1) LCS								Prepared: 04/27/2021 Analyzed: 04/28/2021			
1,1-Biphenyl	16.6	5.00	ug/L	25.0		66.2	33-95				
1,2,4,5-Tetrachlorobenzene	15.5	5.00	"	25.0		62.0	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	17.0	5.00	"	25.0		67.9	16-141				
2,3,4,6-Tetrachlorophenol	17.3	5.00	"	25.0		69.1	30-130				
2,4,5-Trichlorophenol	16.0	5.00	"	25.0		64.1	32-114				
2,4,6-Trichlorophenol	15.5	5.00	"	25.0		62.1	35-118				
2,4-Dichlorophenol	14.5	5.00	"	25.0		58.1	25-116				
2,4-Dimethylphenol	14.1	5.00	"	25.0		56.5	15-116				
2,4-Dinitrophenol	10.0	5.00	"	25.0		40.1	10-170				
2,4-Dinitrotoluene	15.7	5.00	"	25.0		62.6	41-128				
2,6-Dinitrotoluene	15.8	5.00	"	25.0		63.1	45-116				
2-Chloronaphthalene	15.4	5.00	"	25.0		61.7	33-112				
2-Chlorophenol	13.8	5.00	"	25.0		55.2	15-120				
2-Methylnaphthalene	17.0	5.00	"	25.0		68.1	24-118				
2-Methylphenol	12.3	5.00	"	25.0		49.3	10-110				
2-Nitroaniline	16.5	5.00	"	25.0		65.9	34-129				
2-Nitrophenol	13.5	5.00	"	25.0		53.9	28-118				
3- & 4-Methylphenols	10.0	5.00	"	25.0		40.2	10-107				
3,3-Dichlorobenzidine	16.1	5.00	"	25.0		64.6	15-187				
3-Nitroaniline	14.5	5.00	"	25.0		57.8	24-134				
4,6-Dinitro-2-methylphenol	12.2	5.00	"	25.0		48.8	10-153				
4-Bromophenyl phenyl ether	14.5	5.00	"	25.0		58.0	34-120				
4-Chloro-3-methylphenol	16.4	5.00	"	25.0		65.8	20-120				
4-Chloroaniline	10.8	5.00	"	25.0		43.0	10-147				
4-Chlorophenyl phenyl ether	15.5	5.00	"	25.0		61.9	27-121				
4-Nitroaniline	16.9	5.00	"	25.0		67.6	13-134				
4-Nitrophenol	6.61	5.00	"	25.0		26.4	10-131				
Acetophenone	16.6	5.00	"	25.0		66.5	25-110				
Aniline	9.64	5.00	"	25.0		38.6	10-117				
Benzaldehyde	16.4	5.00	"	25.0		65.7	29-117				
Benzoic acid	2.58	5.00	"	25.0		10.3	30-130	Low Bias			
Benzyl alcohol	12.6	5.00	"	25.0		50.3	10-117				
Benzyl butyl phthalate	17.2	5.00	"	25.0		68.8	29-133				
Bis(2-chloroethoxy)methane	15.0	5.00	"	25.0		60.0	10-154				
Bis(2-chloroethyl)ether	15.6	5.00	"	25.0		62.6	17-125				
Bis(2-chloroisopropyl)ether	14.0	5.00	"	25.0		55.8	10-139				
Caprolactam	3.75	5.00	"	25.0		15.0	10-137				
Carbazole	17.7	5.00	"	25.0		70.8	42-126				
Dibenzofuran	17.3	5.00	"	25.0		69.0	36-113				
Diethyl phthalate	16.3	5.00	"	25.0		65.3	38-115				
Dimethyl phthalate	15.8	5.00	"	25.0		63.3	38-129				
Di-n-butyl phthalate	16.9	5.00	"	25.0		67.6	31-120				
Di-n-octyl phthalate	19.0	5.00	"	25.0		76.1	21-149				
Diphenylamine	20.0	5.00	"	25.0		79.8	40-140				
Hexachlorocyclopentadiene	11.1	10.0	"	25.0		44.3	10-130				
Isophorone	15.2	5.00	"	25.0		60.7	25-127				
N-nitroso-di-n-propylamine	15.4	5.00	"	25.0		61.5	26-122				
N-Nitrosodiphenylamine	19.9	5.00	"	25.0		79.5	23-149				
Phenol	5.22	5.00	"	25.0		20.9	10-110				
Pyridine	5.98	5.00	"	25.2		23.7	10-90				
Surrogate: SURR: 2-Fluorophenol	*14.5*		*"*	*50.0*		*28.9*	*19.7-63.1*				

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 BD11424 - EPA 3510C											
LCS (BD11424-BS1) LCS								Prepared: 04/27/2021 Analyzed: 04/28/2021			
Surrogate: SURR: Phenol-d5	*9.48*		*ug/L*	*50.0*		*19.0*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*13.7*		*"*	*25.0*		*54.7*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*15.7*		*"*	*25.0*		*62.7*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*31.9*		*"*	*50.0*		*63.8*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*16.7*		*"*	*25.0*		*67.0*	*30.7-106*				
LCS (BD11424-BS2) LCS								Prepared: 04/27/2021 Analyzed: 04/28/2021			
1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	5.00	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	5.00	"	1.00			32-114	Low Bias			
2,4,6-Trichlorophenol	ND	5.00	"	1.00			35-118	Low Bias			
2,4-Dichlorophenol	ND	5.00	"	1.00			25-116	Low Bias			
2,4-Dimethylphenol	ND	5.00	"	1.00			15-116	Low Bias			
2,4-Dinitrophenol	ND	5.00	"	1.00			10-170	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-128	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			45-116	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			33-112	Low Bias			
2-Chlorophenol	ND	5.00	"	1.00			15-120	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			24-118	Low Bias			
2-Methylphenol	ND	5.00	"	1.00			10-110	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			34-129	Low Bias			
2-Nitrophenol	ND	5.00	"	1.00			28-118	Low Bias			
3- & 4-Methylphenols	ND	5.00	"	1.00			10-107	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				15-187				
3-Nitroaniline	ND	5.00	"	1.00			24-134	Low Bias			
4,6-Dinitro-2-methylphenol	ND	5.00	"	1.00			10-153	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			34-120	Low Bias			
4-Chloro-3-methylphenol	ND	5.00	"	1.00			20-120	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-147	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			27-121	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			13-134	Low Bias			
4-Nitrophenol	ND	5.00	"	1.00			10-131	Low Bias			
Acenaphthene	0.640	0.0500	"	1.00		64.0	25-116				
Acenaphthylene	0.660	0.0500	"	1.00		66.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.680	0.0500	"	1.00		68.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.710	0.0500	"	1.00		71.0	33-125				
Benzo(a)pyrene	0.600	0.0500	"	1.00		60.0	32-132				
Benzo(b)fluoranthene	0.670	0.0500	"	1.00		67.0	22-137				
Benzo(g,h,i)perylene	0.670	0.0500	"	1.00		67.0	10-138				
Benzo(k)fluoranthene	0.640	0.0500	"	1.00		64.0	20-137				
Benzoic acid	ND	5.00	"				30-130				
Benzyl alcohol	ND	5.00	"	1.00			10-117	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			29-133	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			10-154	Low Bias			
Bis(2-chloroethyl)ether	ND	5.00	"	1.00			17-125	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			10-139	Low Bias			

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 BD11424 - EPA 3510C											
LCS (BD11424-BS2) LCS								Prepared: 04/27/2021 Analyzed: 04/28/2021			
Bis(2-ethylhexyl)phthalate	1.09	0.500	ug/L	1.00		109	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			
Chrysene	0.760	0.0500	"	1.00		76.0	32-124				
Dibenzo(a,h)anthracene	0.650	0.0500	"	1.00		65.0	16-133				
Dibenzofuran	ND	5.00	"	1.00			36-113	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-115	Low Bias			
Dimethyl phthalate	ND	5.00	"	1.00			38-129	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			31-120	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			21-149	Low Bias			
Diphenylamine	ND	5.00	"	1.00			40-140	Low Bias			
Fluoranthene	0.790	0.0500	"	1.00		79.0	32-121				
Fluorene	0.710	0.0500	"	1.00		71.0	28-118				
Hexachlorobenzene	0.580	0.0200	"	1.00		58.0	23-124				
Hexachlorobutadiene	0.640	0.500	"	1.00		64.0	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	0.550	0.500	"	1.00		55.0	18-115				
Indeno(1,2,3-cd)pyrene	0.640	0.0500	"	1.00		64.0	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.630	0.0500	"	1.00		63.0	18-120				
Nitrobenzene	0.590	0.250	"	1.00		59.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			26-122	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			23-149	Low Bias			
Pentachlorophenol	0.460	0.250	"	1.00		46.0	10-156				
Phenanthrene	0.730	0.0500	"	1.00		73.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.720	0.0500	"	1.00		72.0	31-132				
Pyridine	ND	5.00	"	1.00			10-90	Low Bias			
Surrogate: SURR: 2-Fluorophenol	*0.00*		*"*	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		*"*	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		*"*	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		*"*	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		*"*	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		*"*	*25.0*			*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

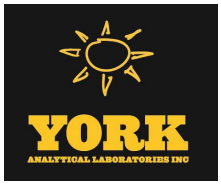
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD11424 - EPA 3510C											
Matrix Spike (BD11424-MS1) Matrix Spike	*Source sample: 21D1189-01 (Matrix Spike)							Prepared: 04/27/2021 Analyzed: 04/29/2021			
1,1-Biphenyl	18.5	5.41	ug/L	27.0	ND	68.5	26-79				
1,2,4,5-Tetrachlorobenzene	16.8	5.41	"	27.0	ND	62.2	33-90				
1,2-Diphenylhydrazine (as Azobenzene)	20.3	5.41	"	27.0	ND	75.2	21-107				
2,3,4,6-Tetrachlorophenol	20.4	5.41	"	27.0	ND	75.4	30-130				
2,4,5-Trichlorophenol	17.7	5.41	"	27.0	ND	65.3	43-96				
2,4,6-Trichlorophenol	18.4	5.41	"	27.0	ND	67.9	46-94				
2,4-Dichlorophenol	16.9	5.41	"	27.0	ND	62.7	26-101				
2,4-Dimethylphenol	17.8	5.41	"	27.0	ND	65.8	10-104				
2,4-Dinitrophenol	23.3	5.41	"	27.0	ND	86.4	10-146				
2,4-Dinitrotoluene	19.6	5.41	"	27.0	ND	72.7	30-108				
2,6-Dinitrotoluene	18.8	5.41	"	27.0	ND	69.6	38-98				
2-Chloronaphthalene	16.8	5.41	"	27.0	ND	62.0	30-89				
2-Chlorophenol	16.2	5.41	"	27.0	ND	60.1	24-98				
2-Methylnaphthalene	19.1	5.41	"	27.0	ND	70.7	10-112				
2-Methylphenol	15.2	5.41	"	27.0	ND	56.2	10-134				
2-Nitroaniline	20.9	5.41	"	27.0	ND	77.2	25-110				
2-Nitrophenol	17.1	5.41	"	27.0	ND	63.3	10-139				
3- & 4-Methylphenols	12.4	5.41	"	27.0	ND	45.8	10-91				
3,3-Dichlorobenzidine	ND	5.41	"	27.0	ND		10-140	Low Bias			
3-Nitroaniline	16.8	5.41	"	27.0	ND	62.1	22-111				
4,6-Dinitro-2-methylphenol	18.4	5.41	"	27.0	ND	68.1	10-140				
4-Bromophenyl phenyl ether	15.2	5.41	"	27.0	ND	56.2	30-108				
4-Chloro-3-methylphenol	19.6	5.41	"	27.0	ND	72.6	11-109				
4-Chloroaniline	11.5	5.41	"	27.0	ND	42.7	10-116				
4-Chlorophenyl phenyl ether	16.0	5.41	"	27.0	ND	59.2	39-85				
4-Nitroaniline	19.6	5.41	"	27.0	ND	72.6	11-132				
4-Nitrophenol	10.7	5.41	"	27.0	ND	39.5	10-82				
Acetophenone	19.6	5.41	"	27.0	ND	72.7	14-102				
Aniline	11.7	5.41	"	27.0	ND	43.3	10-80				
Benzaldehyde	20.6	5.41	"	27.0	ND	76.2	13-87				
Benzoic acid	7.96	5.41	"	27.0	ND	29.4	10-162				
Benzyl alcohol	15.5	5.41	"	27.0	ND	57.4	10-102				
Benzyl butyl phthalate	20.7	5.41	"	27.0	ND	76.6	10-133				
Bis(2-chloroethoxy)methane	18.1	5.41	"	27.0	ND	67.0	18-105				
Bis(2-chloroethyl)ether	18.2	5.41	"	27.0	ND	67.3	10-108				
Bis(2-chloroisopropyl)ether	19.2	5.41	"	27.0	ND	70.9	13-116				
Caprolactam	5.04	5.41	"	27.0	ND	18.6	10-75				
Carbazole	19.9	5.41	"	27.0	ND	73.7	36-108				
Dibenzofuran	18.4	5.41	"	27.0	ND	68.0	34-92				
Diethyl phthalate	18.2	5.41	"	27.0	ND	67.4	33-98				
Dimethyl phthalate	17.6	5.41	"	27.0	ND	65.0	18-116				
Di-n-butyl phthalate	19.4	5.41	"	27.0	ND	71.6	25-97				
Di-n-octyl phthalate	22.7	5.41	"	27.0	ND	84.1	10-137				
Diphenylamine	22.2	5.41	"	27.0	ND	82.2	40-140				
Hexachlorocyclopentadiene	13.2	10.8	"	27.0	ND	48.9	10-79				
Isophorone	19.1	5.41	"	27.0	ND	70.8	25-103				
N-nitroso-di-n-propylamine	19.7	5.41	"	27.0	ND	73.0	19-115				
N-Nitrosodiphenylamine	22.6	5.41	"	27.0	ND	83.7	31-112				
Phenol	6.90	5.41	"	27.0	ND	25.5	10-61				
Pyridine	7.33	5.41	"	27.3	ND	26.9	10-78				
Surrogate: SURR: 2-Fluorophenol	*17.3*		*"*	*54.1*		*31.9*	*19.7-63.1*				

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 BD11424 - EPA 3510C											
Matrix Spike (BD11424-MS1) Matrix Spike	*Source sample: 21D1189-01 (Matrix Spike)								Prepared: 04/27/2021 Analyzed: 04/29/2021		
Surrogate: SURR: Phenol-d5	*12.1*		*ug/L*	*54.1*		*22.3*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*16.9*		*"*	*27.0*		*62.7*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*16.5*		*"*	*27.0*		*61.1*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*34.9*		*"*	*54.1*		*64.6*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*17.4*		*"*	*27.0*		*64.3*	*30.7-106*				
Matrix Spike Dup (BD11424-M Matrix Spike Dup	*Source sample: 21D1189-01 (Matrix Spike Dup)								Prepared: 04/27/2021 Analyzed: 04/29/2021		
1,1-Biphenyl	18.5	5.56	ug/L	27.8	ND	66.6	26-79		0.0422	25	
1,2,4,5-Tetrachlorobenzene	16.7	5.56	"	27.8	ND	60.1	33-90		0.661	25	
1,2-Diphenylhydrazine (as Azobenzene)	20.1	5.56	"	27.8	ND	72.4	21-107		1.05	25	
2,3,4,6-Tetrachlorophenol	20.7	5.56	"	27.8	ND	74.5	30-130		1.57	25	
2,4,5-Trichlorophenol	18.6	5.56	"	27.8	ND	66.9	43-96		5.10	25	
2,4,6-Trichlorophenol	18.0	5.56	"	27.8	ND	64.6	46-94		2.21	25	
2,4-Dichlorophenol	17.2	5.56	"	27.8	ND	61.8	26-101		1.26	25	
2,4-Dimethylphenol	18.0	5.56	"	27.8	ND	64.6	10-104		0.901	25	
2,4-Dinitrophenol	22.7	5.56	"	27.8	ND	81.8	10-146		2.73	25	
2,4-Dinitrotoluene	20.2	5.56	"	27.8	ND	72.8	30-108		2.85	25	
2,6-Dinitrotoluene	24.6	5.56	"	27.8	ND	88.4	38-98		26.5	25	Non-dir.
2-Chloronaphthalene	16.5	5.56	"	27.8	ND	59.4	30-89		1.54	25	
2-Chlorophenol	15.9	5.56	"	27.8	ND	57.2	24-98		2.17	25	
2-Methylnaphthalene	18.7	5.56	"	27.8	ND	67.4	10-112		2.13	25	
2-Methylphenol	15.1	5.56	"	27.8	ND	54.5	10-134		0.295	25	
2-Nitroaniline	21.3	5.56	"	27.8	ND	76.5	25-110		1.91	25	
2-Nitrophenol	17.8	5.56	"	27.8	ND	64.2	10-139		4.18	25	
3- & 4-Methylphenols	12.5	5.56	"	27.8	ND	44.9	10-91		0.800	25	
3,3-Dichlorobenzidine	ND	5.56	"	27.8	ND		10-140	Low Bias		25	
3-Nitroaniline	19.0	5.56	"	27.8	ND	68.5	22-111		12.5	25	
4,6-Dinitro-2-methylphenol	19.3	5.56	"	27.8	ND	69.3	10-140		4.49	25	
4-Bromophenyl phenyl ether	15.3	5.56	"	27.8	ND	55.2	30-108		0.872	25	
4-Chloro-3-methylphenol	19.1	5.56	"	27.8	ND	68.9	11-109		2.57	25	
4-Chloroaniline	12.8	5.56	"	27.8	ND	46.2	10-116		10.5	25	
4-Chlorophenyl phenyl ether	16.3	5.56	"	27.8	ND	58.8	39-85		2.06	25	
4-Nitroaniline	20.4	5.56	"	27.8	ND	73.3	11-132		3.78	25	
4-Nitrophenol	11.0	5.56	"	27.8	ND	39.6	10-82		3.04	25	
Acetophenone	19.7	5.56	"	27.8	ND	70.9	14-102		0.232	25	
Aniline	13.1	5.56	"	27.8	ND	47.0	10-80		11.1	25	
Benzaldehyde	20.0	5.56	"	27.8	ND	71.9	13-87		3.04	25	
Benzoic acid	8.81	5.56	"	27.8	ND	31.7	10-162		10.2	25	
Benzyl alcohol	15.8	5.56	"	27.8	ND	56.9	10-102		1.90	25	
Benzyl butyl phthalate	20.6	5.56	"	27.8	ND	74.2	10-133		0.390	25	
Bis(2-chloroethoxy)methane	17.4	5.56	"	27.8	ND	62.7	18-105		3.92	25	
Bis(2-chloroethyl)ether	18.1	5.56	"	27.8	ND	65.0	10-108		0.708	25	
Bis(2-chloroisopropyl)ether	18.4	5.56	"	27.8	ND	66.2	13-116		4.21	25	
Caprolactam	5.73	5.56	"	27.8	ND	20.6	10-75		12.9	25	
Carbazole	19.7	5.56	"	27.8	ND	70.8	36-108		1.25	25	
Dibenzofuran	18.0	5.56	"	27.8	ND	64.8	34-92		2.08	25	
Diethyl phthalate	18.3	5.56	"	27.8	ND	66.0	33-98		0.580	25	
Dimethyl phthalate	17.6	5.56	"	27.8	ND	63.5	18-116		0.435	25	
Di-n-butyl phthalate	19.4	5.56	"	27.8	ND	69.8	25-97		0.138	25	
Di-n-octyl phthalate	23.1	5.56	"	27.8	ND	83.2	10-137		1.64	25	
Diphenylamine	22.2	5.56	"	27.8	ND	80.1	40-140		0.0783	25	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

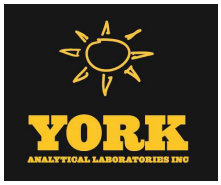
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD11424 - EPA 3510C											
Matrix Spike Dup (BD11424-M Matrix Spike Dup	*Source sample: 21D1189-01 (Matrix Spike Dup)								Prepared: 04/27/2021 Analyzed: 04/29/2021		
Hexachlorocyclopentadiene	13.1	11.1	ug/L	27.8	ND	47.2	10-79		0.673	25	
Isophorone	18.8	5.56	"	27.8	ND	67.8	25-103		1.53	25	
N-nitroso-di-n-propylamine	18.8	5.56	"	27.8	ND	67.6	19-115		5.06	25	
N-Nitrosodiphenylamine	22.0	5.56	"	27.8	ND	79.2	31-112		2.76	25	
Phenol	6.52	5.56	"	27.8	ND	23.5	10-61		5.59	25	
Pyridine	8.76	5.56	"	28.1	ND	31.2	10-78		17.7	25	
Surrogate: SURR: 2-Fluorophenol	*16.5*		*"*	*55.6*		*29.7*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*11.4*		*"*	*55.6*		*20.5*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*17.2*		*"*	*27.8*		*61.8*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*16.4*		*"*	*27.8*		*58.9*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*34.5*		*"*	*55.6*		*62.0*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*18.6*		*"*	*27.8*		*67.0*	*30.7-106*				
Batch BD11579 - EPA 3510C											
Blank (BD11579-BLK1) Blank									Prepared & Analyzed: 04/29/2021		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	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	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								

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 BD11579 - EPA 3510C											
Blank (BD11579-BLK1) Blank									Prepared & Analyzed: 04/29/2021		
Bis(2-chloroethyl)ether	ND	5.00	ug/L								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
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	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	*16.8*		*"*	*50.0*		*33.5*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*10.7*		*"*	*50.0*		*21.4*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*18.4*		*"*	*25.0*		*73.8*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*18.1*		*"*	*25.0*		*72.2*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*35.8*		*"*	*50.0*		*71.6*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*18.6*		*"*	*25.0*		*74.5*	*30.7-106*				
Blank (BD11579-BLK2) Blank									Prepared & Analyzed: 04/29/2021		
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	0.0700	0.0500	"								



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 BD11579 - EPA 3510C											
LCS (BD11579-BS1) LCS							Prepared & Analyzed: 04/29/2021				
1,1-Biphenyl	17.3	5.00	ug/L	25.0		69.0	33-95				
1,2,4,5-Tetrachlorobenzene	14.5	5.00	"	25.0		57.9	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	18.3	5.00	"	25.0		73.0	16-141				
2,3,4,6-Tetrachlorophenol	20.1	5.00	"	25.0		80.3	30-130				
2,4,5-Trichlorophenol	16.2	5.00	"	25.0		65.0	32-114				
2,4,6-Trichlorophenol	16.0	5.00	"	25.0		64.2	35-118				
2,4-Dichlorophenol	15.5	5.00	"	25.0		61.8	25-116				
2,4-Dimethylphenol	16.1	5.00	"	25.0		64.4	15-116				
2,4-Dinitrophenol	12.0	5.00	"	25.0		48.2	10-170				
2,4-Dinitrotoluene	17.2	5.00	"	25.0		68.7	41-128				
2,6-Dinitrotoluene	17.0	5.00	"	25.0		68.0	45-116				
2-Chloronaphthalene	15.2	5.00	"	25.0		60.8	33-112				
2-Chlorophenol	14.9	5.00	"	25.0		59.6	15-120				
2-Methylnaphthalene	17.3	5.00	"	25.0		69.2	24-118				
2-Methylphenol	14.0	5.00	"	25.0		55.9	10-110				
2-Nitroaniline	18.7	5.00	"	25.0		74.9	34-129				
2-Nitrophenol	15.7	5.00	"	25.0		62.7	28-118				
3- & 4-Methylphenols	11.6	5.00	"	25.0		46.4	10-107				
3,3-Dichlorobenzidine	16.8	5.00	"	25.0		67.2	15-187				
3-Nitroaniline	18.3	5.00	"	25.0		73.2	24-134				
4,6-Dinitro-2-methylphenol	15.1	5.00	"	25.0		60.3	10-153				
4-Bromophenyl phenyl ether	14.2	5.00	"	25.0		56.7	34-120				
4-Chloro-3-methylphenol	17.8	5.00	"	25.0		71.3	20-120				
4-Chloroaniline	16.0	5.00	"	25.0		64.0	10-147				
4-Chlorophenyl phenyl ether	15.0	5.00	"	25.0		59.8	27-121				
4-Nitroaniline	17.3	5.00	"	25.0		69.2	13-134				
4-Nitrophenol	8.18	5.00	"	25.0		32.7	10-131				
Acetophenone	19.0	5.00	"	25.0		76.1	25-110				
Aniline	15.2	5.00	"	25.0		60.7	10-117				
Benzaldehyde	20.5	5.00	"	25.0		81.8	29-117				
Benzoic acid	2.60	5.00	"	25.0		10.4	30-130	Low Bias			
Benzyl alcohol	15.0	5.00	"	25.0		60.1	10-117				
Benzyl butyl phthalate	18.4	5.00	"	25.0		73.5	29-133				
Bis(2-chloroethoxy)methane	16.7	5.00	"	25.0		67.0	10-154				
Bis(2-chloroethyl)ether	17.0	5.00	"	25.0		67.9	17-125				
Bis(2-chloroisopropyl)ether	16.8	5.00	"	25.0		67.1	10-139				
Caprolactam	5.18	5.00	"	25.0		20.7	10-137				
Carbazole	17.7	5.00	"	25.0		70.7	42-126				
Dibenzofuran	16.9	5.00	"	25.0		67.4	36-113				
Diethyl phthalate	16.7	5.00	"	25.0		66.9	38-115				
Dimethyl phthalate	16.2	5.00	"	25.0		65.0	38-129				
Di-n-butyl phthalate	18.4	5.00	"	25.0		73.8	31-120				
Di-n-octyl phthalate	21.2	5.00	"	25.0		85.0	21-149				
Diphenylamine	20.8	5.00	"	25.0		83.4	40-140				
Hexachlorocyclopentadiene	13.0	10.0	"	25.0		51.8	10-130				
Isophorone	17.0	5.00	"	25.0		68.0	25-127				
N-nitroso-di-n-propylamine	17.3	5.00	"	25.0		69.3	26-122				
N-Nitrosodiphenylamine	20.4	5.00	"	25.0		81.7	23-149				
Phenol	6.51	5.00	"	25.0		26.0	10-110				
Pyridine	8.71	5.00	"	25.2		34.5	10-90				
Surrogate: SURR: 2-Fluorophenol	*17.8*		*"*	*50.0*		*35.6*	*19.7-63.1*				

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 BD11579 - EPA 3510C											
LCS (BD11579-BS1) LCS							Prepared & Analyzed: 04/29/2021				
Surrogate: SURR: Phenol-d5	*11.8*		*ug/L*	*50.0*		*23.5*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*16.2*		*"*	*25.0*		*64.7*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*15.5*		*"*	*25.0*		*62.1*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*32.9*		*"*	*50.0*		*65.8*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*17.8*		*"*	*25.0*		*71.3*	*30.7-106*				
LCS (BD11579-BS2) LCS							Prepared & Analyzed: 04/29/2021				
Acenaphthene	0.720	0.0500	ug/L	1.00		72.0	25-116				
Acenaphthylene	0.750	0.0500	"	1.00		75.0	26-116				
Anthracene	0.730	0.0500	"	1.00		73.0	25-123				
Benzo(a)anthracene	0.750	0.0500	"	1.00		75.0	33-125				
Benzo(a)pyrene	0.610	0.0500	"	1.00		61.0	32-132				
Benzo(b)fluoranthene	0.720	0.0500	"	1.00		72.0	22-137				
Benzo(g,h,i)perylene	0.830	0.0500	"	1.00		83.0	10-138				
Benzo(k)fluoranthene	0.690	0.0500	"	1.00		69.0	20-137				
Bis(2-ethylhexyl)phthalate	1.27	0.500	"	1.00		127	10-189				
Chrysene	0.800	0.0500	"	1.00		80.0	32-124				
Dibenzo(a,h)anthracene	0.780	0.0500	"	1.00		78.0	16-133				
Fluoranthene	0.810	0.0500	"	1.00		81.0	32-121				
Fluorene	0.780	0.0500	"	1.00		78.0	28-118				
Hexachlorobenzene	0.660	0.0200	"	1.00		66.0	23-124				
Hexachlorobutadiene	0.670	0.500	"	1.00		67.0	15-123				
Hexachloroethane	0.600	0.500	"	1.00		60.0	18-115				
Indeno(1,2,3-cd)pyrene	0.760	0.0500	"	1.00		76.0	15-135				
Naphthalene	0.680	0.0500	"	1.00		68.0	18-120				
Nitrobenzene	0.650	0.250	"	1.00		65.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	0.530	0.250	"	1.00		53.0	10-156				
Phenanthrene	0.790	0.0500	"	1.00		79.0	24-127				
Pyrene	0.780	0.0500	"	1.00		78.0	31-132				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BD11579 - EPA 3510C

LCS Dup (BD11579-BSD1) LCS Dup — Prepared & Analyzed: 04/29/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	17.4	5.00	ug/L	25.0		69.6	33-95		0.865	20	
1,2,4,5-Tetrachlorobenzene	14.3	5.00	"	25.0		57.3	26-120		1.04	20	
1,2-Diphenylhydrazine (as Azobenzene)	18.2	5.00	"	25.0		73.0	16-141		0.0548	20	
2,3,4,6-Tetrachlorophenol	19.6	5.00	"	25.0		78.3	30-130		2.57	20	
2,4,5-Trichlorophenol	16.1	5.00	"	25.0		64.5	32-114		0.742	20	
2,4,6-Trichlorophenol	16.2	5.00	"	25.0		64.8	35-118		0.992	20	
2,4-Dichlorophenol	14.9	5.00	"	25.0		59.6	25-116		3.69	20	
2,4-Dimethylphenol	16.1	5.00	"	25.0		64.6	15-116		0.248	20	
2,4-Dinitrophenol	14.3	5.00	"	25.0		57.4	10-170		17.4	20	
2,4-Dinitrotoluene	17.4	5.00	"	25.0		69.8	41-128		1.62	20	
2,6-Dinitrotoluene	17.3	5.00	"	25.0		69.2	45-116		1.75	20	
2-Chloronaphthalene	15.0	5.00	"	25.0		59.8	33-112		1.59	20	
2-Chlorophenol	14.7	5.00	"	25.0		58.7	15-120		1.55	20	
2-Methylnaphthalene	16.4	5.00	"	25.0		65.7	24-118		5.22	20	
2-Methylphenol	14.2	5.00	"	25.0		56.7	10-110		1.35	20	
2-Nitroaniline	18.9	5.00	"	25.0		75.5	34-129		0.798	20	
2-Nitrophenol	15.7	5.00	"	25.0		62.8	28-118		0.255	20	
3- & 4-Methylphenols	11.5	5.00	"	25.0		46.0	10-107		0.779	20	
3,3-Dichlorobenzidine	18.7	5.00	"	25.0		74.7	15-187		10.6	20	
3-Nitroaniline	17.8	5.00	"	25.0		71.2	24-134		2.77	20	
4,6-Dinitro-2-methylphenol	15.0	5.00	"	25.0		60.2	10-153		0.199	20	
4-Bromophenyl phenyl ether	14.1	5.00	"	25.0		56.4	34-120		0.637	20	
4-Chloro-3-methylphenol	17.1	5.00	"	25.0		68.5	20-120		4.00	20	
4-Chloroaniline	14.5	5.00	"	25.0		58.2	10-147		9.56	20	
4-Chlorophenyl phenyl ether	14.8	5.00	"	25.0		59.1	27-121		1.28	20	
4-Nitroaniline	18.7	5.00	"	25.0		74.9	13-134		7.94	20	
4-Nitrophenol	8.84	5.00	"	25.0		35.4	10-131		7.76	20	
Acetophenone	18.7	5.00	"	25.0		74.9	25-110		1.64	20	
Aniline	14.8	5.00	"	25.0		59.0	10-117		2.81	20	
Benzaldehyde	20.1	5.00	"	25.0		80.4	29-117		1.78	20	
Benzoic acid	2.96	5.00	"	25.0		11.8	30-130	Low Bias	12.9	20	
Benzyl alcohol	15.0	5.00	"	25.0		60.1	10-117		0.00	20	
Benzyl butyl phthalate	18.5	5.00	"	25.0		74.1	29-133		0.813	20	
Bis(2-chloroethoxy)methane	16.1	5.00	"	25.0		64.4	10-154		3.84	20	
Bis(2-chloroethyl)ether	16.4	5.00	"	25.0		65.4	17-125		3.72	20	
Bis(2-chloroisopropyl)ether	16.2	5.00	"	25.0		64.9	10-139		3.33	20	
Caprolactam	4.69	5.00	"	25.0		18.8	10-137		9.93	20	
Carbazole	17.6	5.00	"	25.0		70.6	42-126		0.227	20	
Dibenzofuran	16.8	5.00	"	25.0		67.4	36-113		0.119	20	
Diethyl phthalate	16.9	5.00	"	25.0		67.6	38-115		1.01	20	
Dimethyl phthalate	16.6	5.00	"	25.0		66.2	38-129		1.89	20	
Di-n-butyl phthalate	17.7	5.00	"	25.0		70.7	31-120		4.26	20	
Di-n-octyl phthalate	21.4	5.00	"	25.0		85.4	21-149		0.469	20	
Diphenylamine	20.2	5.00	"	25.0		81.0	40-140		2.92	20	
Hexachlorocyclopentadiene	12.9	10.0	"	25.0		51.6	10-130		0.387	20	
Isophorone	16.5	5.00	"	25.0		65.9	25-127		3.17	20	
N-nitroso-di-n-propylamine	17.0	5.00	"	25.0		67.9	26-122		2.04	20	
N-Nitrosodiphenylamine	20.0	5.00	"	25.0		80.2	23-149		1.83	20	
Phenol	6.00	5.00	"	25.0		24.0	10-110		8.15	20	
Pyridine	7.90	5.00	"	25.2		31.3	10-90		9.75	20	
Surrogate: SURR: 2-Fluorophenol	*16.4*		*"*	*50.0*		*32.8*	*19.7-63.1*				

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 BD11579 - EPA 3510C											
LCS Dup (BD11579-BSD1) LCS Dup									Prepared & Analyzed: 04/29/2021		
Surrogate: SURR: Phenol-d5	*11.0*		*ug/L*	*50.0*		*22.0*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*15.5*		*"*	*25.0*		*62.0*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*15.4*		*"*	*25.0*		*61.6*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*31.5*		*"*	*50.0*		*63.1*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*17.3*		*"*	*25.0*		*69.3*	*30.7-106*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21D1068-01	TMW05_042221	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1068-02	TMW04_042221	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1068-03	GWDUP01_042221	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1068-04	TB01_042221	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-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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.

York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
132-02 89th Ave
Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

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.

YORK Project No. 21D1068

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company: Langan	Company: Langan	170655401	RUSH - Next Day
Address: 360 W 31st St, 8th fl NY, NY	Address: 360 W 31st St, 8th fl NY, NY	Address: 360 W. 31st St, 8th fl NY, NY	YOUR Project Name: Vital Brooklyn - Site EFG1t	RUSH - Two Day
Phone.: 212-479-5400	Phone.: 212-479-5400	Phone.: 212-479-5400		RUSH - Three Day
Contact: Paul McMahon	Contact: Paul Mcmahon	Contact: Paul Mcmahon		RUSH - Four Day
E-mail: pmcmahon@langan.com	E-mail: pmcmahon@langan.com	E-mail: pmcmahon@langan.com	YOUR PO#:	Standard (5-7 Day) X

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.

Farielle Brazier
Samples Collected by: (print your name above and sign below)

Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York X	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	EQuIS (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 Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
TMW05-042221	GW	4/22/21 13:03	Part 375 TCL VOCs and SVOCs	
TMW04-042221	GW	16:30	↓	
GWDUP01-042221	GW	↓		
TB01-042221	W		Part 375 TCL VOCs	

Comments: also Email to Dcasey@langan.com and datamanagement@langan.com

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Farielle B	4/22/21		4/22/21 1655		~~1945~~ 1945
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				KBlough	4/22/21 1945 / 3.0 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

Report Date: 04/30/2021
Client Project ID: 170655401
York Project (SDG) No.: 21D1144

Report Date: 04/30/2021
Client Project ID: 170655401
York Project (SDG) No.: 21D1144

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 23, 2021 and listed below. The project was identified as your project: **170655401**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21D1144-01	SG02_042321	Soil Vapor	04/23/2021	04/23/2021

General Notes for York Project (SDG) No.: 21D1144

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

Approved By: 

Date: 04/30/2021

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SG02_042321 **York Sample ID:** 21D1144-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1144	170655401	Soil Vapor	April 23, 2021 10:02 am	04/23/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.1	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.88	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.1	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.2	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.88	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.66	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.16	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.2	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**7.4**		ug/m³	0.80	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.2	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.97	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.66	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.75	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.1	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	**1,3,5-Trimethylbenzene**	**1.8**		ug/m³	0.80	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	**1,3-Butadiene**	**1.8**		ug/m³	1.1	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.97	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.75	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.97	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	1.2	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**2.2**		ug/m³	0.48	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SG02_042321 **York Sample ID:** 21D1144-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1144	170655401	Soil Vapor	April 23, 2021 10:02 am	04/23/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m³	1.3	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	2.5	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.66	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**15**		ug/m³	0.77	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.35	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**6.4**		ug/m³	0.52	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	0.84	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	1.7	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	0.63	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**1.5**		ug/m³	0.50	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	**Carbon tetrachloride**	**0.71**		ug/m³	0.25	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	0.75	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.43	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	**Chloroform**	**160**		ug/m³	0.79	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	0.33	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.16	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.74	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**9.3**		ug/m³	0.56	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**1.9**		ug/m³	0.80	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	1.2	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:			

Sample Information

Client Sample ID: SG02_042321 **York Sample ID:** 21D1144-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1144	170655401	Soil Vapor	April 23, 2021 10:02 am	04/23/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**5.5**		ug/m³	0.70	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.7	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**2.8**	TO-CCV, TO-LCS-L	ug/m³	0.80	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	**Methyl Methacrylate**	**7.2**		ug/m³	0.66	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.58	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**26**		ug/m³	1.1	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**96**		ug/m³	0.66	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**110**		ug/m³	0.57	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**6.2**		ug/m³	0.70	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**19**		ug/m³	1.4	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	*** p-Ethyltoluene**	**10**		ug/m³	0.80	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.28	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:			
100-42-5	**Styrene**	**2.3**		ug/m³	0.69	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**53**		ug/m³	1.1	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.96	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:			
108-88-3	**Toluene**	**15**		ug/m³	0.61	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.64	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.74	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	**Trichloroethylene**	**0.52**		ug/m³	0.22	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.2**		ug/m³	0.91	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.57	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SG02_042321 **York Sample ID:** 21D1144-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D1144	170655401	Soil Vapor	April 23, 2021 10:02 am	04/23/2021

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
593-60-2	Vinyl bromide	ND		ug/m³	0.71	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.21	1.62	EPA TO-15	04/28/2021 14:16	04/29/2021 13:41	LJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Analytical Batch Summary

Batch ID: BD11567 **Preparation Method:** EPA TO15 PREP **Prepared By:** LJ

YORK Sample ID	Client Sample ID	Preparation Date
21D1144-01	SG02_042321	04/28/21
BD11567-BLK1	Blank	04/28/21
BD11567-BS1	LCS	04/28/21
BD11567-DUP1	Duplicate	04/28/21

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 BD11567 - EPA TO15 PREP											
Blank (BD11567-BLK1) Blank									Prepared & Analyzed: 04/28/2021		
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
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 BD11567 - EPA TO15 PREP											
Blank (BD11567-BLK1) Blank									Prepared & Analyzed: 04/28/2021		
n-Hexane	ND	0.35	ug/m³								
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	0.68	"								
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	0.13	"								
LCS (BD11567-BS1) LCS									Prepared & Analyzed: 04/28/2021		
1,1,1,2-Tetrachloroethane	10.6		ppbv	10.0		106	70-130				
1,1,1-Trichloroethane	9.75		"	10.0		97.5	70-130				
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	70-130				
1,1,2-Trichloroethane	11.2		"	10.0		112	70-130				
1,1-Dichloroethane	9.83		"	10.0		98.3	70-130				
1,1-Dichloroethylene	10.1		"	10.0		101	70-130				
1,2,4-Trichlorobenzene	11.9		"	10.0		119	70-130				
1,2,4-Trimethylbenzene	11.6		"	10.0		116	70-130				
1,2-Dibromoethane	11.4		"	10.0		114	70-130				
1,2-Dichlorobenzene	10.3		"	10.0		103	70-130				
1,2-Dichloroethane	9.63		"	10.0		96.3	70-130				
1,2-Dichloropropane	12.1		"	10.0		121	70-130				
1,2-Dichlorotetrafluoroethane	9.97		"	10.0		99.7	70-130				
1,3,5-Trimethylbenzene	11.3		"	10.0		113	70-130				
1,3-Butadiene	9.23		"	10.0		92.3	70-130				
1,3-Dichlorobenzene	10.7		"	10.0		107	70-130				
1,3-Dichloropropane	11.3		"	10.0		113	70-130				
1,4-Dichlorobenzene	11.0		"	10.0		110	70-130				
1,4-Dioxane	10.8		"	10.0		108	70-130				
2-Butanone	11.0		"	10.0		110	70-130				
2-Hexanone	12.7		"	10.0		127	70-130				
3-Chloropropene	11.8		"	10.0		118	70-130				
4-Methyl-2-pentanone	12.2		"	10.0		122	70-130				
Acetone	8.90		"	10.0		89.0	70-130				
Acrylonitrile	11.3		"	10.0		113	70-130				
Benzene	10.4		"	10.0		104	70-130				
Benzyl chloride	10.0		"	10.0		100	70-130				
Bromodichloromethane	10.6		"	10.0		106	70-130				
Bromoform	11.0		"	10.0		110	70-130				
Bromomethane	12.0		"	10.0		120	70-130				
Carbon disulfide	10.1		"	10.0		101	70-130				
Carbon tetrachloride	9.05		"	10.0		90.5	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 BD11567 - EPA TO15 PREP											
LCS (BD11567-BS1) LCS								Prepared & Analyzed: 04/28/2021			
Chlorobenzene	10.5		ppbv	10.0		105	70-130				
Chloroethane	11.3		"	10.0		113	70-130				
Chloroform	10.1		"	10.0		101	70-130				
Chloromethane	8.93		"	10.0		89.3	70-130				
cis-1,2-Dichloroethylene	9.95		"	10.0		99.5	70-130				
cis-1,3-Dichloropropylene	12.5		"	10.0		125	70-130				
Cyclohexane	12.2		"	10.0		122	70-130				
Dibromochloromethane	11.0		"	10.0		110	70-130				
Dichlorodifluoromethane	9.59		"	10.0		95.9	70-130				
Ethyl acetate	11.3		"	10.0		113	70-130				
Ethyl Benzene	11.2		"	10.0		112	70-130				
Hexachlorobutadiene	8.79		"	10.0		87.9	70-130				
Isopropanol	2.44		"	10.0		24.4	70-130	Low Bias			
Methyl Methacrylate	12.8		"	10.0		128	70-130				
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	70-130				
Methylene chloride	9.72		"	10.0		97.2	70-130				
n-Heptane	12.1		"	10.0		121	70-130				
n-Hexane	9.90		"	10.0		99.0	70-130				
o-Xylene	12.0		"	10.0		120	70-130				
p- & m- Xylenes	22.2		"	20.0		111	70-130				
p-Ethyltoluene	11.9		"	10.0		119	70-130				
Propylene	10.7		"	10.0		107	70-130				
Styrene	12.4		"	10.0		124	70-130				
Tetrachloroethylene	10.3		"	10.0		103	70-130				
Tetrahydrofuran	11.1		"	10.0		111	70-130				
Toluene	10.0		"	10.0		100	70-130				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	70-130				
trans-1,3-Dichloropropylene	12.1		"	10.0		121	70-130				
Trichloroethylene	10.3		"	10.0		103	70-130				
Trichlorofluoromethane (Freon 11)	9.49		"	10.0		94.9	70-130				
Vinyl acetate	11.4		"	10.0		114	70-130				
Vinyl bromide	11.2		"	10.0		112	70-130				
Vinyl Chloride	8.44		"	10.0		84.4	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 BD11567 - EPA TO15 PREP											
Duplicate (BD11567-DUP1) Duplicate	*Source sample: 21D1142-01 (Duplicate)								Prepared & Analyzed: 04/28/2021		
1,1,1,2-Tetrachloroethane	ND	1.2	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	0.95	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.2	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.3	"		ND					25	
1,1,2-Trichloroethane	ND	0.95	"		ND					25	
1,1-Dichloroethane	ND	0.70	"		ND					25	
1,1-Dichloroethylene	ND	0.17	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.3	"		1.0					25	
1,2,4-Trimethylbenzene	14	0.86	"		15				7.23	25	
1,2-Dibromoethane	ND	1.3	"		ND					25	
1,2-Dichlorobenzene	ND	1.0	"		ND					25	
1,2-Dichloroethane	ND	0.70	"		ND					25	
1,2-Dichloropropane	ND	0.80	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.2	"		ND					25	
1,3,5-Trimethylbenzene	3.8	0.86	"		4.0				4.35	25	
1,3-Butadiene	4.5	1.2	"		4.5				0.00	25	
1,3-Dichlorobenzene	ND	1.0	"		ND					25	
1,3-Dichloropropane	ND	0.80	"		ND					25	
1,4-Dichlorobenzene	ND	1.0	"		ND					25	
1,4-Dioxane	ND	1.3	"		ND					25	
2-Butanone	22	0.51	"		22				0.935	25	
2-Hexanone	ND	1.4	"		ND					25	
3-Chloropropene	ND	2.7	"		ND					25	
4-Methyl-2-pentanone	ND	0.71	"		ND					25	
Acetone	160	0.83	"		170				6.90	25	
Acrylonitrile	ND	0.38	"		ND					25	
Benzene	9.3	0.56	"		9.4				1.78	25	
Benzyl chloride	ND	0.90	"		ND					25	
Bromodichloromethane	ND	1.2	"		ND					25	
Bromoform	ND	1.8	"		ND					25	
Bromomethane	ND	0.68	"		ND					25	
Carbon disulfide	2.7	0.54	"		2.7				0.00	25	
Carbon tetrachloride	ND	0.27	"		ND					25	
Chlorobenzene	ND	0.80	"		ND					25	
Chloroethane	ND	0.46	"		ND					25	
Chloroform	1.5	0.85	"		1.7				10.5	25	
Chloromethane	1.4	0.36	"		1.3				5.41	25	
cis-1,2-Dichloroethylene	ND	0.17	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.79	"		ND					25	
Cyclohexane	9.8	0.60	"		9.4				3.75	25	
Dibromochloromethane	ND	1.5	"		ND					25	
Dichlorodifluoromethane	1.0	0.86	"		1.1				8.00	25	
Ethyl acetate	ND	1.3	"		ND					25	
Ethyl Benzene	15	0.76	"		15				0.494	25	
Hexachlorobutadiene	ND	1.9	"		ND					25	
Isopropanol	11	0.86	"		11				3.59	25	
Methyl Methacrylate	ND	0.71	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.63	"		ND					25	
Methylene chloride	2.7	1.2	"		2.8				4.44	25	
n-Heptane	34	0.71	"		35				3.35	25	
n-Hexane	42	0.61	"		42				0.00	25	

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 BD11567 - EPA TO15 PREP											
Duplicate (BD11567-DUP1) Duplicate	*Source sample: 21D1142-01 (Duplicate)								Prepared & Analyzed: 04/28/2021		
o-Xylene	18	0.76	ug/m³		19				2.84	25	
p- & m- Xylenes	53	1.5	"		53				0.858	25	
p-Ethyltoluene	20	0.86	"		21				5.96	25	
Propylene	100	0.30	"		95				8.26	25	
Styrene	7.4	0.74	"		7.3				1.01	25	
Tetrachloroethylene	61	1.2	"		66				7.27	25	
Tetrahydrofuran	ND	1.0	"		ND					25	
Toluene	47	0.66	"		49				3.96	25	
trans-1,2-Dichloroethylene	ND	0.69	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.79	"		ND					25	
Trichloroethylene	ND	0.23	"		ND					25	
Trichlorofluoromethane (Freon 11)	ND	0.98	"		ND					25	
Vinyl acetate	ND	0.61	"		ND					25	
Vinyl bromide	ND	0.76	"		ND					25	
Vinyl Chloride	ND	0.22	"		ND					25	

Sample and Data Qualifiers Relating to This Work Order

TO-LCS-L The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.

TO-CCV The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).

Definitions and Other Explanations

* Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.

ND NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

LOQ LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.

LOD LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.

MDL METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.

Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record - AIR

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.

YORK Project No. 21D1144

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 W. 31st Street, 8th Fl. New York, NY 10001	Address:	Address:
Phone.: 212-479-5400	Phone.:	Phone.:
Contact: Paul McMahon	Contact:	Contact:
E-mail: pmcmahon@langan.com	E-mail:	E-mail:

YOUR Project Number: 170655401

YOUR Project Name: Vital Brooklyn Site (EFGH)

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

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.

Tyler Zorn

Samples Collected by: (print your name above and sign below)

Tyler Zorn

Air Matrix Codes

AI - Indoor Ambient Air
AO - Outdoor Amb. Air
AE - Vapor Extraction Well/ Process Gas/Effluent
AS - Soil Vapor/Sub-Slab

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
Other:		

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ___ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
SG02-042321	04/23/21 10:02	AS	-28.0	-5.0	20947	5610	TO-15 VOCs

Comments: please also email to dcasey@langan.com and datamanagement@langan.com

Detection Limits Required

≤ 1 ug/m³ ___ NYSDEC V1 Limits ___
Routine Survey ___ Other ___

Sampling Media

6 Liter Canister
Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Tyler Zorn / Langan	04/23/21	TZ / York	4/23/21 15:00	TZ / York	
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				Samuel Shi / YORK	4/23/21 16:45

PHASE I ENVIRONMENTAL SITE ASSESSMENT

for

VITAL BROOKLYN – SITES E, F, G, and H
Brooklyn, New York

Prepared for:

Monadnock Development, LLC
155 3rd Street
Brooklyn, NY 11231

Prepared by:

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

Mimi S. Raygorodetsky
Principal

January 14, 2022
Langan Project No. 170655401

LANGAN

TABLE OF CONTENTS

EXECUTIVE SUMMARY ..... **III**
1.0 INTRODUCTION **1**
1.1 Purpose **2**
1.2 Scope of the ESA **2**
1.3 Assumptions, Limitations, and Exceptions **3**
2.0 SUBJECT PROPERTY DESCRIPTION **5**
2.1 Location and Description **5**
2.2 Description of Site Improvements **6**
2.3 Title Records **6**
3.0 USER PROVIDED INFORMATION **7**
3.1 User Questionnaire **7**
3.2 Owner/Operator Questionnaire **7**
3.3 Previous Environmental Reports **7**
4.0 ENVIRONMENTAL RECORDS **11**
4.1 Federal Agency Database Findings **13**
4.2 State Agency Database Findings **14**
4.3 Other Database Findings **16**
4.4 Local Regulatory Agency Findings **17**
4.5 Physical Setting Sources **19**
4.5.1 Topography 19
4.5.2 Geology 19
4.5.3 Hydrogeology 20
4.6 Historical Use Information **20**
4.6.1 Aerial Photographs 20
4.6.2 Sanborn Fire Insurance Maps 21
4.6.2 Historical USGS Topographic Quadrangles 22
4.6.3 City Directories 22
4.6.4 Title Records, Environmental Liens, and Use Limitations 23
5.0 SITE RECONNAISSANCE **24**
5.1 Methodology and Limiting Conditions **24**
5.2 Date and Time of Inspection **24**
5.3 General Site Setting and Reconnaissance Observations **24**
6.0 INTERVIEWS **28**
6.1 Subject Property Owner/Occupant **28**
6.2 Tenants/Operators of Adjacent Properties **28**
7.0 ADDITIONAL SERVICES **29**
7.1 Radon **29**
7.2 ACM, LBP, and PCBs **29**
8.0 DEVIATIONS AND DATA GAPS **30**
8.1 Deviations **30**
8.2 Data Gaps **30**
9.0 FINDINGS, OPINIONS, AND CONCLUSIONS **31**
10.0 REFERENCES **33**
11.0 STATEMENT OF QUALIFICATIONS AND SIGNATURES **34**

FIGURES

Figure 1 Subject Property Location Map
Figure 2 Subject Property Plan
Figure 3 Recognized Environmental Conditions Map

APPENDICES

Appendix A Site Reconnaissance Photographs
Appendix B User and Owner Questionnaire
Appendix C Previous Environmental Reports
Appendix D Environmental Data Resources Inc.™ Radius Map Report
Appendix E Freedom of Information Act Requests
Appendix F New York City Department of Building Records
Appendix G New York City Department of City Planning Records and Zoning Map
Appendix H Aerial Photographs
Appendix I Sanborn Fire Insurance Maps
Appendix J Historical USGS Topographic Quadrangle Maps
Appendix K City Directory Abstract
Appendix L Environmental Lien Search
Appendix M Resumes

EXECUTIVE SUMMARY

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) prepared this Phase I Environmental Site Assessment (ESA) on behalf of Monadnock Development, LLC (the User) for the property comprising the northern portion of the Kingsbrook Jewish Medical Center campus in the East Flatbush neighborhood of Brooklyn, New York (the Subject Property). The Subject Property is identified on the Brooklyn Borough Tax Map as the northern portions of Lots 1 and 5 on Block 4602. The Subject Property is about 101,951 square feet in area (2.34 acres) and is identified as Vital Brooklyn[1] Sites E, F, G, and H, as detailed below:

- Site E - 561 Schenectady Avenue – a four-story building (the Leviton Building) primarily used for office space and vaccine administration
- Site F - 830 Rutland Road – a mostly-vacant six-story building (the Masin Building), with the exception of ground floor offices and second and third floor laboratories, and a courtyard and a vacant security booth
- Sites G and H - 73 East 49th Street – adjoining six- and four-story buildings (the Blumberg and LeFrak Buildings, respectively) used for doctor's offices, medical equipment storage, administrative offices, and dialysis treatment

Based on information from the User, the proposed redevelopment of the Subject Property includes demolition of all on-site buildings, and construction of two new five-story residential buildings (referred to as the Naseberry and Tamarind buildings), and one seven-story residential building (referred to as the Graviola building).

The Subject Property is bound to the north by Rutland Road followed by a multi-story residential building and parking lot, to the east by East 49th Street followed by a parking lot for the medical center (Vital Brooklyn – Site K), to the south by the southern part of the Kingsbrook Jewish Medical Center campus, and to the west by Schenectady Avenue followed by multi-story residential and commercial buildings.

This Phase I ESA was conducted in accordance with ASTM International (ASTM) Standard E1527-13 (Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process) and the United States Environmental Protection Agency (USEPA) All Appropriate Inquiry (AAI) Rule for the purpose of identifying Recognized Environmental

[1] The Vital Brooklyn Initiative is an ongoing community development program for underserved neighborhoods in Central Brooklyn. Vital Brooklyn offers a holistic approach that focused on eight integrated areas of improvement: open space and recreation; healthy food; education; economic empowerment; community-based violence prevention; community-based health care; affordable housing; and resiliency.

Conditions (REC), historical RECs (HREC), controlled RECs (CREC), and business environmental risks (BER). The Phase I ESA identified one REC, two BERs, and one non-ASTM consideration.

Recognized Environmental Conditions and Business Environmental Risks

A REC is defined by ASTM E1527-13 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property due to any release to the environment, under conditions indicative of a release to the environment, or under conditions that pose a material threat of a future release to the environment.

A BER is defined by ASTM E1527-13 as a risk that can have a material environmental or environmentally driven impact on the business associated with the current or planned use of a parcel of commercial real estate not necessarily limited to those environmental issues required to be investigated in this practice.

The Phase I ESA identified the following one RECs and two BERs:

REC 1/BER 1 –Soil and Groundwater Impacts Related to Historic Fill at the Subject Property

Soil and groundwater contamination was identified at the Subject Property in a June 2021 Phase II Environmental Site Investigation (ESI) Report. The following compounds were detected in soil at concentrations exceeding applicable New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use (UU) and/or Restricted Use Restricted-Residential (RURR) Soil Cleanup Objectives (SCO): semi-volatile organic compounds (SVOCs), metals, and pesticides. Additionally, SVOCs were detected in groundwater at concentrations above the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Standards and Guidance Values (SGVs). The contamination identified at the Subject Property above applicable regulatory comparison criteria is considered a REC.

These impacts attributed to the presence of historic fill at the Subject Property, which was dumped and disposed at the Subject Property during the course of its development history. The historic fill is generally characterized as varied-colored, fine- to medium-grained sand with varying amounts of fine gravel, brick, concrete, and glass immediately extending to varying depths of about 6 to 12.5 feet below ground surface (bgs). The presence of historic fill at the Subject Property will require implementation of soil handling and management procedures during future site redevelopment to address excavation, re-use, handling, and off-site disposal, which may result in material cost to the User, therefore, it is also considered a BER.

BER 2 – Petroleum Bulk Storage at the Subject Property

During a geophysical survey conducted in 2021, one geophysical anomaly resembling an underground storage tank (UST) was identified within the landscaped area between Schenectady Avenue and the northwestern corner of the Leviton building. A fill port and vent pipe were observed in this area during the site reconnaissance. A soil boring and temporary monitoring well location were advanced south-adjacent to the anomaly and evidence of a petroleum release was

not identified based on visual, olfactory, and instrumental screening and analytical results. Planned redevelopment activities at the Subject Property will require proper closure and registration of the UST with the NYSDEC Petroleum Bulk Storage (PBS) unit. Agency coordination and UST removal will result in material cost to the User, therefore this finding is considered a BER.

Non-ASTM Consideration

A Non-ASTM Scope Consideration is identified by ASTM E1527-13 as an environmental issue or condition at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of ASTM E1527-13. The following non-ASTM consideration was identified for the Subject Property:

The buildings on the Subject Property were constructed in 1927 (LeFrak), 1933 (Blumberg and Leviton) and 1957 (Masin), potentially with asbestos-containing material (ACM), lead-based paint (LBP), and polychlorinated biphenyl (PCB)-containing materials. An intrusive survey to identify ACM, LBP, and PCB-containing material was not conducted as part of this Phase I ESA. These materials will require proper management (survey and/or abatement, as necessary) during future site redevelopment.

1.0 INTRODUCTION

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) prepared this Phase I Environmental Site Assessment (ESA) on behalf of Monadnock Development, LLC (the User) for the property comprising the northern portion of the Kingsbrook Jewish Medical Center campus in the East Flatbush neighborhood of Brooklyn, New York (the Subject Property). The Subject Property is identified on the Brooklyn Borough Tax Map as the northern portions of Lots 1 and 5 on Block 4602. The Subject Property is about 101,951 square feet in area (2.34 acres), and is identified as Vital Brooklyn[2] Sites E, F, G, and H, as detailed below:

- Site E - 561 Schenectady Avenue – a four-story building (the Leviton building), primarily used for office space and vaccine administration
- Site F - 830 Rutland Road – a mostly vacant six-story building (the Masin building), with the exception of ground floor offices and second and third floor laboratories, and a courtyard and vacant security booth
- Sites G and H - 73 East 49th Street – two adjoining six- and four-story buildings (the Blumberg and Lefrak buildings, respectively), doctor's offices followed by medical equipment storage, administrative offices, and dialysis treatment

Based on information from the User, the proposed redevelopment of the Subject Property includes demolition of all on-site buildings, and construction of two new five-story residential buildings (referred to as the Naseberry and Tamarind buildings), and one seven-story residential building (referred to as the Graviola building).

The Subject Property is bound to the north by Rutland Road followed by a multi-story residential building and parking lot, to the east by East 49th Street followed by a parking lot for the medical center (Vital Brooklyn – Site K), to the south by the southern part of the Kingsbrook Jewish Medical Center campus, and to the west by Schenectady Avenue followed by multi-story residential and commercial buildings.

This Phase I ESA was performed in accordance with ASTM International (ASTM) Standard E1527-13 (Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process) and the United States Environmental Protection Agency (USEPA) All Appropriate Inquiries (AAI) Rule, 40 Code of Federal Regulations (CFR) Part 312.

[2] The Vital Brooklyn Initiative is an ongoing community development program for underserved neighborhoods in Central Brooklyn. Vital Brooklyn offers a holistic approach that focused on eight integrated areas of improvement: open space and recreation; healthy food; education; economic empowerment; community-based violence prevention; community-based health care; affordable housing; and resiliency.

1.1 Purpose

The purpose of this Phase I ESA is to accomplish the following:

(1) Identify Recognized Environmental Conditions (REC) in connection with the Subject Property, as defined in ASTM E1527-13, which states: The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (a) due to any release to the environment; (b) under conditions indicative of a release to the environment; or (c) under conditions that pose a material threat of a future release to the environment. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

(2) Provide services consistent with the USEPA 40 CFR Part 312 Subpart C Standards and Practices §312.20 AAI Rule.

1.2 Scope of the ESA

This Phase I ESA was conducted utilizing a standard of good commercial and customary practice that is consistent with ASTM E1527-13. Any significant scope-of-work additions, deletions, or deviations to ASTM E1527-13 are noted in Section 8.0 of this report. In general, the scope of this assessment consisted of obtaining information from the User; reviewing reasonably ascertainable information and environmental data relating to the Subject Property; reviewing maps and records maintained by federal, state, and local regulatory agencies; interviewing persons knowledgeable about the Subject Property; and conducting a site inspection. The specific scope of this assessment included the following:

1. A reconnaissance to characterize conditions and assess the Subject Property's location with respect to adjoining and surrounding property uses and natural surface features. The reconnaissance included the surrounding roads and observations of surrounding properties from public rights-of-way to identify obvious potential environmental conditions on neighboring properties. The site reconnaissance was conducted in a systematic manner focusing on the spatial extent of the Subject Property and then progressing to adjacent and surrounding properties. Photographs taken as part of the site reconnaissance are provided in Appendix A.
2. A review of the responses to the User/Owner questionnaire, which is included as Appendix B.
3. A review of previous environmental reports associated with the Subject Property. Copies of previous environmental reports are included in Appendix C.

4. A review of environmental databases maintained by the USEPA, state, and local agencies within the approximate minimum search distance. Environmental Data Resources, Inc. (EDR) provided the environmental database report, which is included in Appendix D.
5. Filing of Freedom of Information Act (FOIA) requests with federal, state, and local agencies. Copies of the FOIA requests and responses received to-date are included in Appendix E.
6. A review of NYC Department of Buildings (DOB) and NYC Department of City Planning (DCP) records, and a Zoning Map. Available DOB and DCP records and the Zoning Map are included in Appendices F and G, respectively.
7. A review of physical characteristics of the Subject Property through a review of referenced sources for topographic, geologic, soils, and hydrologic data.
8. A review and interpretation of aerial photographs, Sanborn® Fire Insurance Maps (Sanborn Maps), historical topographic maps, and city directories to identify previous activities on and near the Subject Property. Copies are included in Appendices H, I, J, and K respectively.
9. A review of an Environmental Lien search for the Subject Property. A copy of the environmental lien search report is included in Appendix L.
10. A review of published radon occurrence maps to evaluate whether the Subject Property is located in an area with a propensity for elevated radon levels.

1.3 Assumptions, Limitations, and Exceptions

This Phase I ESA report was prepared for the User for the Subject Property at 561 Schenectady Avenue, 830 Rutland Road, and 73 East 49th Street (Tax Block 4602, northern portions of Lots 1 and 5) in Brooklyn, New York. The report is intended to be used in its entirety. Excerpts taken from this report are not necessarily representative of the assessment findings. Langan cannot assume responsibility for use of this report for any property other than the Subject Property addressed herein, or by any other third party without a written authorization from Langan.

Langan's scope of services, which is described in Section 1.2, was limited to that agreed to with the User and no other services beyond those explicitly stated are implied. The services performed and agreed upon for this effort comports to those prescribed in ASTM E1527-13. Intrusive sampling (i.e., soil borings and groundwater sampling) was not performed as part of this Phase I ESA.

This Phase I ESA is not intended to be a definitive investigation of possible environmental impacts at the Subject Property. The purpose of this investigation was limited to determining if there is reason to suspect the possibility of RECs at the Subject Property. It should be understood that even the most comprehensive Phase I ESA might fail to detect environmental liabilities at a particular Subject Property. Therefore, Langan cannot "insure" or "certify" that the Subject

Property is free of environmental impacts. No expressed or implied representation or warranty is included or intended in this report, except that our services were performed, within the limits prescribed by the User, with the customary standard of care exercised by professionals performing similar services under similar circumstances within the same jurisdiction.

The conclusions, opinions, and recommendations provided in this report are based solely on the specific activities as required for the performance of ASTM E1527-13 and are intended exclusively for the purpose stated herein, at the specified Subject Property, as it existed at the time of our site visit.

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 Location and Description

The Subject Property is identified on the Brooklyn Borough Tax Map on Block 4602 and consists of the northern portions of Lots 1 and 5. The Subject Property is about 101,951 square feet in area (2.34 acres), and is identified as Sites E, F, G, and H, as detailed below:

- Site E - 561 Schenectady Avenue – a four-story building (the Leviton building), primarily used for office space and vaccine administration
- Site F - 830 Rutland Road – a mostly vacant six-story building (the Masin building), with the exception of ground floor offices and second and third floor laboratories, and a courtyard and a vacant security booth
- Sites G and H - 73 East 49th Street – two adjoining six- and four-story buildings (the Blumberg and Lefrak buildings, respectively), used for doctor's offices followed by medical equipment storage, administrative offices, and dialysis treatment

The Subject Property is bound to the north by Rutland Road followed by a multi-story residential building and parking lot, to the east by East 49th Street followed by a parking lot for the medical center (Vital Brooklyn – Site K), to the south by the southern part of the Kingsbrook Jewish Medical Center campus, and to the west by Schenectady Avenue followed by multi-story residential and commercial buildings. A Subject Property Location Map is included as Figure 1, and the layout of the Subject Property is shown on Figure 2.

Based on visual observations of the surrounding area during the site reconnaissance, the Subject Property is located within an urban area characterized by residential, institutional, and commercial development. Site reconnaissance photographs are included in Appendix A.

Surrounding property use is summarized in the following table:

Direction	Block	Lot	Adjoining Properties	Surrounding Properties
North	Rutland Road			Multi-family residential buildings
	4590	51	A six-story residential building and parking lot (811 Rutland Road)	
East	East 49th Street			Speedway gas station followed by commercial properties
	4603	1	Parking lot for Kingsbrook Jewish Medical Center (832 Rutland Road)	
South	4602	1 and 5	Southern portion of the Kingsbrook Jewish Medical Center campus (585 Schenectady Avenue)	Multi-family residential buildings followed by Winthrop Street
West	Schenectady Avenue			Multi-family residential and commercial buildings
	4826	7 to 14	Multi-story residential and commercial buildings (544 to 560 Schenectady Avenue)	

Direction	Block	Lot	Adjoining Properties	Surrounding Properties
		16	One-story medical building (566 Schenectady Avenue)	

2.2 Description of Site Improvements

Improvements at the Subject Property are summarized in the following table:

Subject Property Improvements	
Size of the Subject Property	About 101,951 square feet (2.34 acres)
Buildings/Spaces/Structures	Lot 1 – six-story building with cellar (Masin) and two adjoining six- and four-story buildings (Blumberg and LeFrak) with cellar and partial cellar, respectively. The Masin and Blumberg buildings connect on the second floor.
	Lot 5 – four-story building with cellar (Leviton)
Surface Water	None
Potable Water Source	NYC - Municipal
Sanitary and Storm Sewer Utilities	NYC - Municipal
Electrical Utilities	Consolidated Edison, Inc.
Construction Completion Date	Lot 1 – 1927 (LeFrak). 1933 (Blumberg), 1957 (Masin)
	Lot 5 – 1933 (Leviton)
General Construction Type	Concrete block and steel frame with brick façade
Cooling and Ventilation System Type	Window units and air handlers
Heating System Type	Boilers provide steam to all four Subject Property buildings. The boilers are located in a utility building on the southern portion of the Kingsbrook Jewish Medical Center campus.
Emergency Power	Emergency power for Leviton and portions of Masin and Blumberg is provided by two diesel generators located in buildings on the southern portion of the Kingsbrook Jewish Medical Center campus (David Minkin Rehabilitation Institute (DMRI)/Rutland Nursing Home and Katz-Menken building). No emergency power is provided to LeFrak.

2.3 Title Records

Langan researched ownership records for the Subject Property on the NYC Department of Finance (DOF) Automated City Register Information System (ACRIS) website (https://a836-acris.nyc.gov/DS/DocumentSearch/Index). The ACRIS records did not list any deeds for the Subject Property; however, title records indicated the title for Tax Block 4602, Lot 1 was vested in Kingsbrook Jewish Medical Center and the title for Tax Block 4602, Lot 5 was vested in Rutland Nursing Home, Inc. RECs were not identified for the Subject Property during the title records search.

3.0 USER PROVIDED INFORMATION

3.1 User Questionnaire

Per ASTM E1527-13, a questionnaire was provided to the User to inquire about specialized information related to the Subject Property. The User Questionnaire was completed by Mr. Dean Oliver, a Project Developer for the User, and was returned to Langan on January 13, 2022. Mr. Oliver indicated that he is not aware of any pending, threatened, or past litigation, administrative proceedings, or government notices related to hazardous substances or petroleum products in, on, or emanating from the Subject Property. A copy of the completed questionnaire is included in Appendix B. The User provided a January 2014 Phase I ESA performed by AKRF, Inc. (AKRF), a May 2021 Phase I ESA performed by Langan, and a June 2021 Phase II Environmental Site Investigation (ESI) performed by Langan (Section 3.3), a copy of these reports are included in Appendix C.

3.2 Owner/Operator Questionnaire

A questionnaire was not provided to the Subject Property owner/operator as part of this report. However; an Owner/Operator Questionnaire was completed by Mr. Tony Renteria, Key Site Manager for the Kingsbrook Jewish Medical Center, during a previous Phase I ESA. The completed questionnaire is dated January 13, 2021. Mr. Renteria indicated that he is not aware of any environmental assessment reports, environmental compliance audits, environmental permits, underground storage tanks (UST) or above ground storage tanks (AST), use limitations, cleanup reports, or violations related to the Subject Property. A copy of the completed questionnaire is included in Appendix B.

3.3 Previous Environmental Reports

The following previous environmental reports for the Subject Property were provided by the User, and are included in Appendix C.

Phase I ESA, prepared by AKRF, Inc., dated January 2014

AKRF performed a Phase I ESA on behalf of the Owner in accordance with ASTM Standard E1527-13. This report covered the entire Kingsbrook Jeweish Medical Center campus including the entirety of Block 4602, Lots 1 and 5, as well as the eastern parking lot (a.k.a Vital Brooklyn Site K). The following RECs were identified in regards to the Subject Property and adjoining properties:

- Records for Petroleum Bulk Storage (PBS) were identified for the Subject Property and adjoining properties, including for No. 4 fuel oil, No. 6 fuel oil, and diesel stored in underground storage tanks (USTs) ranging from 500 gallons to 40,000 gallons and above ground storage tanks (ASTs) ranging from 500 gallons to 1,000 gallons.

- Historical uses of the Subject Property and adjoining property included on-site laboratories and x-ray laboratories, as well as a Resource Conservation and Recovery Act (RCRA) Small Quantity Generators (SQG) and air emissions database listing indicate the historical use of hazardous material.
- Groundwater monitoring wells associated with a surrounding gasoline station spill were observed east of the Subject Property (a.k.a Vital Brooklyn Parcel K).

The following environmental concerns were also identified for the Subject Property and adjoining properties:

- A 2012 geotechnical Investigation within the Briger parking lot, located in the southern part of Lot 1, identified fill material to about 12 feet bgs, underlain by varying layers of silt, sandy gravel and sands to boring termination depth (about 29 to 32 feet bgs). Fill material may also be present on the Subject Property, given the entirety of the Kingsbrook Jewish Medical Center campus was developed concurrently.
- Based on building age, asbestos containing materials (ACM), polychlorinated biphenyl (PCB)-containing materials, and lead based paint (LBP) may be present in buildings throughout the Subject Property.
- The following historical off-site uses were identified:
    - A gasoline filling station located to the east of the Subject Property (530 Utica Avenue) from 1969 through 2007. Spill no. 9614292 is associated with this property identified impacted soil and groundwater with off-site delineation ongoing.
    - A PBS listing at 282 Midwood Street, about 200 feet north of the Subject Property.

Draft Phase I ESA, prepared by Langan, dated May 25, 2021

Langan performed a Phase I ESA for the Subject Property on behalf of the User in accordance with ASTM Standard E1527-13. The following RECs were identified in the Draft Phase I ESA:

- The Subject Property was historically listed as a RCRA SQG and a Non-Gen/ NLR between 1991 and 2007 for hazardous waste generation.
- There are open petroleum spill cases at two surrounding properties, associated with an active gasoline filling station, and a former gasoline filling station and automotive repair facility. Both properties are located cross-gradient of the Subject Property and were reported when subsurface impacts were identified during tank removals. Remedial actions were completed at both sites; however, on-going groundwater monitoring indicated concentrations of petroleum compounds in groundwater above regulatory standards as of 2017 and 2020.

- Historical and current uses of adjoining and surrounding properties, including gasoline filling stations auto repair facilities, car washes, and coal power generation.

Phase II Environmental Site Investigation (ESI) Report, prepared by Langan, dated June 29, 2021

A Phase II ESI was completed to investigate RECs identified in the May 25, 2021 Draft Phase I ESA and to collect soil, groundwater, and soil vapor data in support of proposed redevelopment. Langan conducted the Phase II ESI in accordance with Title 6 of the New York Codes, Rules, and Regulations (NYCRR) New York State Department of Environmental Conservation (NYSDEC) Part 375, DER-10 (May 2010), the NYSDEC Draft Brownfield Cleanup Program Guide (May 2004), and the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006) (hereinafter referred to as NYSDOH Guidance).

The Phase II ESI included:

- Geophysical survey to preclear sampling locations and identify a suspected exterior UST;
- Advancement of six soil borings to 16 to 28 feet bgs, and installation of two temporary groundwater monitoring wells, two soil vapor points and one sub-slab vapor point; and
- Collection of seven soil samples, two groundwater sample, two soil vapor samples, and one sub-slab vapor samples for laboratory analysis (one duplicate soil and groundwater sample were collected for quality assurance/quality control [QA/QC] purposes).

Field observations and laboratory analytical results include:

- Geophysical Survey: One geophysical anomaly resembling a UST was identified within the landscaped area between Schenectady Avenue and the northwestern corner of the Leviton building. A soil boring and temporary monitoring was advanced south-adjacent to the anomaly, and no indications of a release (based on visual, olfactory, and instrumental screening and analytical results) were identified.
- Soil: The subsurface consists of varied-colored, fine- to medium-grained sand with varying amounts of fine gravel, brick, concrete, and glass was observed immediately below the existing cover (grass) extending to about 6 to 12.5 feet below ground surface (bgs). From about 12.5 feet bgs and below, brown fine sand with varying amounts of medium sand, silt, gravel, and clay was encountered. A 10.5-foot-thick silt layer was observed from about 12 to 22.5 feet bgs in the eastern portion of the Subject Property. Langan observed an unidentifiable odor in a black-colored native sand interval from 15 to 16 feet bgs in the central portion of the Subject Property. Bedrock was not encountered.

  Seven SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b) fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene), five pesticides (4,4'-DDD, 4,4'-DDE, 4-4'-DDT, alpha chlordane, and dieldrin), and six metals (arsenic, copper, lead, mercury, nickel, and zinc) were detected in six of the seven soil samples collected throughout the Subject Property at concentrations above the NYSDEC

Part 375 Unrestricted Use (UU) and/or Restricted Use Restricted-Residential (RURR) Soil Cleanup Objectives (SCO).

- Groundwater: Groundwater was encountered between about 8.57 feet bgs and 20.94 feet bgs. Regulatory database records for nearby properties indicate groundwater at the Subject Property has been measured at about 23 feet bgs and is reported to flow southeast. Shallow groundwater elevations recorded during the ESI likely represent a perched groundwater condition due to silty soil observed in the boring.

  Six SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3)pyrene) were detected in one groundwater sample at concentrations above the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Standards and Guidance Values (SGVs).

- Soil Vapor and Sub-slab Vapor: Concentrations of VOCs were not detected above the minimum concentrations at which mitigation is recommended in the NYSDOH Decision Matrices.

Report Review Conclusions

The soil and groundwater contamination identified on the Subject Property during the 2021 Phase II ESI is considered a REC. The contamination is attributed to on-site historic fill.

The presence of historic fill at the Subject Property and the UST anomaly identified in the geophysical survey are considered Business Environmental Risks (BERs).

The potential for ACM, PCB-containing materials, and LBP to be present in buildings throughout the Subject Property is considered a Non-ASTM consideration.

4.0 ENVIRONMENTAL RECORDS

Regulatory database information was provided by EDR and is included in Appendix D. The EDR report is a listing of sites identified on select federal and state standard source environmental databases within the approximate search radii specified by ASTM E1527-13. Langan reviewed each environmental database on a record-by-record basis to evaluate whether the identified sites represent a potential for environmental impact to the Subject Property. Langan also reviewed "Orphan Sites" listed within the report. Orphan Sites are those sites that could not be mapped because of inadequate address information. Any Orphan Sites identified by Langan within the ASTM search radii, either during the site reconnaissance or by cross-referencing to mapped listings, are addressed in the discussion below.

The following table lists the number of sites identified in standard and additional environmental record databases, within the prescribed search radius and appearing in the EDR Report.

DATABASE RECORD SUMMARY			
Database Reviewed (Date of government version)	**Minimum Search Area**	**Subject Property Listed**	**Number of Sites Within Minimum Search Area**
USEPA DATABASES			
National Priorities List (NPL) (10/20/2021)	1 Mile Radius	No	0
Delisted NPL (10/20/2021)	1 Mile Radius	No	0
Superfund Enterprise Management System (SEMS) and SEMS-ARCHIVE (10/20/2021)	1/2 Mile Radius	No	0
Resource Conservation and Recovery Act (RCRA) Corrective Reports (CORRACTS) (09/13/2021)	1 Mile Radius	No	0
RCRA Treatment, Storage, and Disposal Facilities (TSDF) (09/13/2021)	1/2 Mile Radius	No	0
RCRA Generators (RCRA-large quantity generator [LQG], RCRA-small quantity generator [SQG], RCRA-very small quantity generator [VSQG], RCRA Non-Generators [Non-Gen]) (09/13/2021)	Subject Property and Adjoining	No	4
Facility Index System (FINDS) (05/05/2021)	Subject Property	No	0
Environmental Response Notification System (ERNS) (09/13/2021)	Subject Property	No	0
Engineering Controls (EC) Sites Lists (08/23/2021)	Subject Property	No	0
Institutional Controls (IC) Sites Lists (08/23/2021)	Subject Property	No	0

DATABASE RECORD SUMMARY			
Database Reviewed (Date of government version)	**Minimum Search Area**	**Subject Property Listed**	**Number of Sites Within Minimum Search Area**
NYSDEC DATABASES			
Inactive State Hazardous Waste Sites (SHWS) and Delisted SHWS (08/09/2021)	1 Mile Radius	No	0
Hazardous Substance Waste Disposal Site Inventory (HSWDS) (01/01/2003)	1/2 Mile Radius	No	0
Solid Waste or Landfill Facilities (SWF/LF) (07/12/2021)	1/2 Mile Radius	No	0
Solid Waste Recycling Facilities (SWRCY) (09/30/2021)	1/2 Mile Radius	No	1
Leaking Tanks (LTANKS) (08/09/2021)	1/2 Mile Radius	No	32
SPILLS Information Database (NY SPILLS) (08/09/2021)	1/8 Mile Radius	No	14
Petroleum Bulk Storage Facilities (PBS) UST and Above Ground Storage Tank (AST) Databases (09/21/2021)	Subject Property and Adjoining	No	3
Chemical Bulk Storage (CBS) UST and AST Databases (09/21/2021)	Subject Property and Adjoining	No	0
Major Oil Storage Facilities (MOSF) UST and AST Databases (09/21/2021)	1/2 Mile Radius	No	0
Voluntary Cleanup Program (VCP) (08/09/2021)	1/2 Mile Radius	No	0
Brownfields (08/09/2021)	1/2 Mile Radius	No	0
EC Sites (08/09/2021)	Subject Property	No	0
IC Sites (08/09/2021)	Subject Property	No	0
Registered Drycleaners (NY DRYCLEANERS) (09/02/2021)	1/4 Mile Radius	No	3
EDR (PROPRIETARY) DATABASES			
EDR Manufactured Gas Plant (MGP) (N/A)	1 Mile Radius	No	2
EDR Historical Auto Stations (Hist Auto) (N/A)	1/8 Mile Radius	No	8
EDR Historical Cleaners (Hist Cleaner) (N/A)	1/8 Mile Radius	No	0

NA Not Applicable; databases with a "Not Applicable" Minimum Search Radius are databases reviewed as part of the Phase I ESA but not required as per ASTM International E1527-13.

A description of the reviewed databases is provided in the EDR Report (Appendix D). A summary of sites identified within the prescribed search area is presented below.

4.1 Federal Agency Database Findings

The Subject Property and/or sites within the respective minimum search distances as specified by ASTM E1527-13 were not listed in the following Federal Agency databases: NPL, Delisted NPL, SEMS, SEMS-ARCHIVE, RCRA CORRACTS, RCRA TDSF, FINDS, ERNS, EC sites, or IC sites. The following summary describes the sites identified within the designated search radii:

RCRA Generators Database

The RCRA generators/transporters database is USEPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites that generate, transport, store, treat, and/or dispose of hazardous waste as defined by RCRA. RCRA Databases include LQG, Small SQG, VSQG, and Non-Gen. The minimum search distance for these databases is the Subject Property and adjoining properties. The Subject Property was not identified in the RCRA generator databases by listing address; however, the larger Kingbrook Jewish Medical Center was listed in the database, along with three adjoining properties. The three listings were identified as Con Edison manholes or vaults. Con Edison maintains an internal protocol for managing hazardous substances and no violations were identified for these listings; therefore, they are not considered RECs. The listing for the larger Kingsbrook Jewish Medical Center is summarized below:

Site Name: Kingsbrook Jewish Medical Center
Site Address: 585 Schenectady Avenue, Brooklyn, NY
Location: Subject Property and south-adjoining property (downgradient)
Description: Kingsbrook Jewish Medical Center is listed under EPA ID NYD986954188 as a NonGen (1995), a VSQG (2006), and a SQG (1991, 2003, 2007) for the generation of undefined waste (D000), ignitable waste (D001), corrosive waste (D002), reactive waste (D003), mercury (D009), silver (D011), spent halogenated solvents (F001 and F002), and spent non-halogenated solvents (F003, F004, and F005). The facility has received notices for violations including small quantity handlers of universal waste and general generator violations during on-site compliance evaluation inspections conducted in 2016. Based on the results of the June 2021 Phase II ESI (Section 3.3), contamination associated with unreported releases of these wastes was not identified at the Subject Property; and therefore this RCRA generator listing is not considered a REC.

4.2 State Agency Database Findings

The Subject Property and sites within the respective minimum search distances as specified by ASTM E1527-13 were not listed in the following State Agency databases: SHWS, Delisted SHWS, HSWDS, SWF/LF, VCP, Brownfields, EC Sites, IC Sites, CBS, or MOSF. The following summary describes the sites identified within the designated search radii:

NY Solid Waste Recycling Database

The SWRCY database contains a list of recycling facility locations. The Subject Property was not identified in the SWRCY database; however, one site was identified within the ½-mile search radius. The site is no longer active and is not associated with other Spills, LTANKS, or RCRA generator listings Based on the regulatory status, this listing is not considered RECs.

NY Leaking Storage Tanks Database

The LTANKS database contains an inventory of reported leaking storage tank incidents, including leaking USTs and ASTs. The primary causes of LTANKS incidents include tank test failures, tank failures, and tank overfills. The Subject Property was not identified in the LTANKS database; however, 32 listings were identified within the ½-mile search radius. Thirty (30) of the LTANK listings have been granted closed status by the NYSDEC, indicating that NYSDEC is satisfied with spill remediation. The remaining LTANK listings are over 945 feet upgradient of the Subject Property. Based on the regulatory status and/or distance from the Subject Property, these listings are not considered RECs.

NY Spills Database

The Spills database, maintained and updated by NYSDEC, is an inventory of sites where spills have been identified and reported to the NYSDEC. The Subject Property was not listed in the Spills database; however, 14 spills associated with sites within the minimum search area of 1/8-mile were identified. Twelve (12) of the listings have been granted closed status by the NYSDEC, indicating that NYSDEC is satisfied with spill remediation. The remaining two listings are summarized below:

Site Name: Amoco
Site Address: 529 Utica Avenue, Brooklyn, NY
Location: About 350 feet east (cross-gradient) of the Subject Property
Description: Spill No. 9309669 was reported on November 10, 1993 for an unknown quantity of gasoline released to the subsurface that was identified during tank removal. On March 18, 2003, the property operator entered a stipulation agreement with the NYSDEC remediate spill impacts. Remedial activities including groundwater sampling have been reported through February 2017. Depth to water was reported at about 23 to 24 feet bgs and was calculated to flow southeast. Groundwater is reported to have historically flowed northwest. A maximum BTEX (benzene, toluene, ethylbenzene, and

xylenes) concentration of 52,800 parts per billion (ppb) in groundwater was reported in 2011.

Site Name: Hess Station #32534)
Site Address: 530-546 Utica Avenue, Brooklyn, NY
Location: About 370 feet east (up/cross-gradient) of the Subject Property
Description: Spill No. 9614292 was reported on March 10, 1997 for an unknown quantity of gasoline released to the subsurface that was identified during tank removal. Remedial activities including groundwater sampling have been reported through March 2021. A maximum total VOC concentration of 6,778.8 micrograms per liter (ug/L) was reported. Depth to water was reported at about 22 to 26 feet bgs and calculated to flow southeast.

A Phase II ESI was completed by Langan in 2021 (Section 3.3) to investigate potential impacts associated with these surrounding sites. The results of the Phase II ESI detected SVOCs in groundwater above the NYSDEC SGVs; however, the contamination does not appear to be associated with petroleum impacts. Therefore, releases associated with the nearby current and former gasoline filling stations are not considered RECs.

PBS UST and AST Databases

The PBS database is a listing of USTs and ASTs registered with the NYSDEC. A registered PBS UST or AST does not constitute a REC in and of itself; however, properties listed on the UST or AST databases with a reported leak, spill, or release could constitute a REC with respect to the Subject Property. The minimum search distance for these databases is the Subject Property and adjoining properties. The Subject Property was not identified in the PBS AST or UST databases by physical address. Two listings were identified within the search radius. These listings are summarized below:

Site Name: Kingsbrook Jewish Medical Center
Site Address: 585 Schenectady Avenue, Brooklyn, NY
Site Location: Subject Property and south-adjoining property (cross/downgradient)
Description: The larger Kingbrook Jewish Medical Center was identified in the AST and UST databases under the NYSDEC PBS facility (PBS No. 2-109126) for one in-service 1,000-gallon diesel AST in contact with an impervious barrier installed on February 1, 2002; one in-service 2,500-gallon diesel AST installed on February 1, 1991 in a subterranean vault; one in-service 20,000-gallon No. 2 fuel oil UST installed on January 1, 1976; one in-service 40,000-gallon No. 6 fuel oil UST installed on January 1, 1962; one in-service 1,500-gallon diesel UST that was installed on February 1, 2002; and two diesel USTs (500 and 1,000 gallons) that were closed and removed on June 24, 2002.

During a Phase II ESI completed for the Subject Property in 2021 (Section 3.3), an anomaly resembling a UST was identified during a geophysical survey outside of the northwestern corner of the Leviton building. Soil and groundwater samples were collected adjacent to the UST anomaly and no contamination was detected. The ASTs and USTs (with the

exception of the potential UST identified during the Phase II ESI) are assumed to be present on other parts of the larger Kingsbrook Jewish Medical Center that adjoin the Subject Property. The one identified UST anomaly identified on the Subject Property is not considered a REC as no evidence of a release was identified during the Phase II ESI. The removal of the USTs anomaly during future redevelopment will be registered with the NYSDEC PBS unit and may require implementation management procedures to address excavation, handling, and off-site disposal, which may result in material cost to the User. These additional costs are considered a BER.

Site Name: Harry Silver Housing Co.
Site Address: 828 Midwood Street, Brooklyn, NY
Site Location: Northern-adjoining property (upgradient)
Description: PBS No. 2-199095 indicates two in-service No. 2 fuel oil ASTs (4,000 and 6,000 gallons) installed on December 1, 1991 in subterranean vaults and two closed and removed No. 6 fuel oil ASTs (10,000 and 20,000 gallons).

Spills and/or LTANK listings were not listed in association with these sites. Based on the absence of violations associated with these PBS facilities, these listings are not considered RECs.

NY Drycleaners Database

The NY Drycleaners database is a listing of registered dry cleaning facilities. Dry cleaning facilities are associated with the use of tetrachloroethylene (PCE), a solvent that has the potential to infiltrate groundwater and can readily migrate to surrounding properties. The Subject Property was not listed in the NY Drycleaners database; however, three listings were identified within the 1/4-mile search radius. Two of the listings are located over 1,000 feet north-northwest (up/cross-gradient) of the Subject Property. One of these listings was identified as a RCRA-SQG; however, no violations or spills were associated with either of the two sites. The remaining listing is about 750 feet north-northwest (up/cross-gradient) of the Subject Property and has no associated spills, violations or RCRA generator listings. Based on the distance with respect to the Subject Property and absence of violations associated with these listings, they are not considered RECs.

4.3 Other Database Findings

Manufactured Gas Plant

The MGP Site database is a proprietary database that includes records of historical manufactured coal gas plants compiled by EDR. The Subject Property was not listed in the MGP database; however, two listings were identified within the one-mile search radius. These listings are located more than 4,200 feet upgradient from the Subject Property and are not considered RECs.

Historical Auto Stations

The Hist Auto database is a proprietary database that lists potential gas station/filling station/service station sites based on review of national collections of business directories that

were available to EDR researchers. The Subject Property was not listed in the Historic Auto database; however, eight listings were identified within the 1/8-mile search radius. Six sites are located over 400 feet northeast (up/cross-gradient) or over 550 feet southeast (downgradient) from the Subject Property and are not associated with other Spills, LTANKS, or RCRA generator listings; therefore these sites are not considered RECs. The remaining two Hist Auto listings were associated with the NY Spills databases listings, discussed above. The sites are not considered RECs.

4.4 Local Regulatory Agency Findings

FOIA Requests

FOIA requests were submitted on March 2, 2021 to the following federal, state, and local agencies via written correspondence:

- New York City Department of Environmental Protection (NYCDEP)
- NYC Department of Health and Mental Hygiene (DOHMH)
- NYC Fire Department (FDNY)
- NYSDOH
- NYSDEC
- USEPA – Database Search

With the exception of the USEPA, complete responses have not been received from the agencies regarding the Subject Property. Should future responses alter the conclusions of this Phase I ESA, an addendum will be issued. Copies of the FOIA requests are included in Appendix E.

USEPA

Langan performed a search of the USEPA MyProperty and MyEnvironment databases on January 6, 2022. The Kingsbrook Jewish Medical Center and Rutland Nursing Home were identified in the RCRA and Air Facility System (AFS) databases under the 585 Schenectady Avenue address, an address that pertains to the larger Kingsbrook Jewish Medical Center campus. The listings do not indicate any RECs associated with the Subject Property. A copy of the records are included in Appendix E.

New York City Department of Buildings

Langan conducted a records search through the DOB online query system on January 3, 2022. The Subject Property is identified on the Brooklyn Borough Tax Map as then northern portions of Lots 1 and 5 on Block 4602. One historical lot (Lot 12) was also identified with the Subject Property. Lots 1 and 5 are both classified as I1-Hospitals and Health by the Department of Finance (DOF), while historical Lot 12 is not classified. The following Building Identification Numbers (BINs) were identified:

BIN	Lot	Addresses
3327554	1	86-112 East 49th Street
3327559	1	74-84 East 49th Street / 830 Rutland Road
3327560	5	784 Rutland Road / 543-567 Schenectady Avenue
3327565	5	569-605 Schenectady Avenue
3346580	1	808 Rutland Road
3833765	NA	74 East 49th Street
3834443	12	85 East 48th Street
3834444	12	86 East 48th Street

In total, 124 active NYCDOB violations and 28 active Environmental Control Board (ECB) violations are listed for the Subject Property. Violations are associated with failure to maintain building façade and appurtenances, failure to submit a report documenting compliance with exterior wall and appurtenances inspections, failure to submit an acceptable report indicating correction of unsafe conditions, failure to maintain elevator compliance, and operation of place of assembly without a permit.

Certificates of Occupancy (CO) were identified for the Subject Property between 1976 and 1992 under Building Identification Number (BIN) 3327565. All COs are attributed to the same BIN, however COs from different years appear to refer to different buildings; it is unclear which buildings fall within the Subject Property boundaries and which are located within the southern part of Block 4602, Lots 1 and 5.

A review of NYCDOB records for the Subject Property did not identify any RECs. Records obtained from the DOB are provided in Appendix F.

New York City Planning Commission

According to the New York City Planning Commission Zoning Map 17b, the Subject Property is located in an R6 zoning district. This is a residential zoning district that allows medium-density apartment building use. A copy of the zoning map is provided in Appendix G.

E-Designation

Tax Lots can be designated with an "E" on the Zoning Maps of the City of New York for potential hazardous material contamination, air quality and/or noise impacts. For properties that have been E-Designated, the DOB restricts issuance of building permits until the OER reviews information prepared by an environmental professional and makes a determination to issue a "Notice-of-No-Objection" or a "Notice-to-Proceed" to the DOB. Before the OER was established in 2008, the DEP conducted these reviews. Langan reviewed the following information sources to determine if the Subject Property was listed as an E-Designated site:

- City Environmental Quality Review (CEQR) Environmental Designations List on January 6, 2022 (https://zr.planning.nyc.gov/appendix-c-table-1-city-environmental-quality-review-ceqr-environmental-requirements-e-designations)
- CEQR Restrictive Declaration List on January 6, 2022 (https://zr.planning.nyc.gov/appendix-c-table-2-city-environmental-quality-review-ceqr-environmental-requirements-environmental)
- NYCDOB BIS on January 6, 2022 (http://a810-bisweb.nyc.gov/bisweb/bispi00.jsp)

According to the list of CEQR Environmental Designations available on the NYC Department of City Planning (DCP) website, the Subject Property is not an E-Designated site.

4.5 Physical Setting Sources

4.5.1 Topography

According to the 2013 United States Geological Survey (USGS) Brooklyn Quadrangle 7.5-Minute Series Topographic Map, the Subject Property is at an elevation of about 30 feet above mean sea level (msl). The surface topography at the Subject Property slopes downward slightly to the southeast.

4.5.2 Geology

Based on a review of the "Bedrock and Engineering Geologic Maps of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey" by Charles A. Baskerville, et al., the bedrock underlying the Subject Property is the Hartland Formation. The Hartland Formation is comprised of a dark grey, medium to coarse-grained muscovite-biotite-garnet (mica) schist and grey fine-grained quartz feldspar granulite with biotite and garnet, with localized concentrations of granite and intrusions of coarse-grained granitic pegmatite. Geological surface features (e.g., rock outcroppings) were not observed at the Subject Property.

The 2021 Phase II ESI (Section 3.3) identified historic fill at the Subject Property generally characterized as varied-colored, fine- to medium-grained sand with varying amounts of fine gravel, brick, concrete, and glass at the Subject Property extending to varying depths between about 6 to 12.5 feet bgs. The historic fill was underlain by native soil, which included a silt layer encountered between about 12 to 22.5 feet bgs in the eastern part of the Subject Property. Brown fine sand with varying amounts of medium sand, silt, gravel, and clay was encountered below the fill layer to the boring terminus.

Historic fill found in urban environments typically contains ash, demolition debris, and/or municipal waste products and may contain contaminants (e.g., SVOCs or metals) at concentrations above regulatory standards. A Phase II ESI performed on the Subject Property in 2001 identified SVOCs and metals at concentrations above current regulatory standards in historic fill (Section 3.3). Historic fill at the Subject Property will require implementation of soil

handling and management procedures during future site redevelopment to address excavation, re-use, handling, and off-site disposal, which may result in material cost to the User. As such, the presence of historic fill at the Subject Property is considered a BER.

4.5.3 Hydrogeology

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

During the 2021 Phase II ESI (Section 3.3) groundwater was encountered between about 8.57 feet bgs and 20.94 feet bgs. Shallow groundwater elevations recorded during the ESI likely represent a perched groundwater condition due to silty soil observed in the boring. Regulatory database records for nearby properties indicate groundwater at the Subject Property has been measured at about 23 feet bgs and is reported to flow southeast.

Based on the Federal Emergency Management Agency (FEMA) Effective Flood Insurance Rate Map (FIRM) dated September 5, 2007 (Map Number 3604970216F), the Subject Property is located in Zone X, which describes an area of minimal flood hazard.

4.6 Historical Use Information

Langan reviewed available historical resources (including aerial photographs, Sanborn and topographic maps, and city directories) dated 1897 through 2017. Findings of the reviews are presented below.

4.6.1 Aerial Photographs

Langan reviewed aerial photographs of the Subject Property and surrounding areas for the years 1924, 1951, 1954, 1961, 1966, 1976 1980, 1984, 1994, 2006, 2009, 2013, and 2017. Copies of the aerial photographs are provided in Appendix H.

The photographs indicate that the Subject Property was located in a partially developed area as early as 1924. Circa 1924, the Subject Property appeared primarily vacant and unimproved, with the exception of an unknown structure located in the north central portion the Subject Property. Schenectady Avenue and East 49th Street were not constructed. By 1951, the existing structure was demolished, and the Subject Property was developed with a central courtyard, and the Leviton, Blumberg, LeFrak buildings. The surrounding area was developed into city blocks and the southern adjoining property appeared partially developed with other buildings for the

Kingsbrook Jewish Medical Center. By 1961, the Masin building was constructed in the northeastern portion of the Subject Property. The Subject Property appears primarily unchanged in aerial photographs from 1961 to 2017.

From 1951 to 1954, the surrounding area appeared more densely developed with residential buildings, apartment complexes, and sporting fields. Gasoline filling station operations can be seen to the northeast by 1961 (530 Utica Avenue) and 1980 (529 Utica Avenue). Additional buildings were constructed on the southern adjoining Kingsbrook Jewish Medical Center circa 1966 to 1994. A review of aerial photographs did not identify RECs.

4.6.2 Sanborn Fire Insurance Maps

Langan reviewed Sanborn Maps for the Subject Property for the years 1905, 1929, 1951, 1969, 1977, 1979, 1980, 1981, 1983, 1986, 1987, 1989 through 1995, and 2001 through 2007. Sanborn Maps include detailed historical property information for many cities and towns in the United States. Copies of the maps are provided in Appendix I.

The 1905 Sanborn Map shows that the Subject Property is undeveloped, and East 48th Street transects the center of the Subject Property, running north to south. The LeFrak building was constructed in 1927 and was occupied by the Jewish Santorum for Incurables. The building consisted of three stories with a partial above ground cellar, and had an address of 86 East 49th Street. By 1929, several dwellings and miscellaneous buildings are shown along the northern and southern boundaries of the Subject Property (located at 808 Rutland Road and 93-97 East 48th Street). In the 1951 Sanborn Map, the alignment for East 48th Street and the dwellings and storage buildings are no longer shown, and the Blumberg and Leviton are shown (construction dates were noted to be 1933). The Blumberg building consisted of a six-story building adjoining the LeFrak building, and was occupied by the Jewish Sanitarium and Hospital for Chronic Diseases. The Leviton building consisted on a four-story building with a basement, and was occupied by a nurses' home located at 567 Schenectady Avenue. A gatehouse is also depicted in the 1951 Sanborn Map, located in the north-central portion of the Subject Property. In the 1969, Sanborn Map, the Masin building is shown and noted to have been constructed in 1957. The building consisted of a six-story building, and was used for administrative and laboratory purposes. By 1977, the Subject Property was occupied by the Kingsbrook Jewish Medical Center. The Subject Property appears primarily unchanged in Sanborn Maps between 1969 and 2007.

The addresses for the Subject Property, as noted on the Sanborn Maps, include:

- 443, 543, and 567 Schenectady Avenue;
- 784, 798, 800, 802, 806, 808, 810, 812, 816, 818, 828, 830 Rutland Road;
- 73, 74, 83, 84, 85, 93, 95, 96, and 97 East 48th Street; and
- 74, 84, 86, 96, and 98 East 49th Street.

The 1905 Sanborn Map, the adjoining and surrounding properties were primarily undeveloped with the exception of few dwellings northwest of the Subject Property. In Sanborn Maps from 1951 to 1991, adjoining and surrounding properties were densely developed with residential, recreational, institutional, and commercial buildings. The nearby properties appear primarily unchanged in Sanborn Maps between 1996 and 2007. A review of Sanborn Maps did not identify RECs.

4.6.2 Historical USGS Topographic Quadrangles

Langan reviewed historical USGS Topographic Quadrangles obtained from EDR for information regarding past uses of the Subject Property and surrounding improvement. Quadrangle maps were available for the Subject Property for the years 1897, 1898, 1900, 1947, 1956, 1967, 1979, 1995, 2013, 2016, and 2019. Copies of the topographic maps are provided in Appendix J.

Based on a review of the historical topographic maps, the Subject Property appears located in a sparsely developed area in 1897. By 1947, dense urban development is shown at the Subject Property and surrounding area. The topography around Subject Property slopes downward from the northwest to the southeast. A review of topographic maps did not identify RECs.

4.6.3 City Directories

The City Directory Abstract, obtained from EDR, is a review of available business directories, including city, cross-reference, and telephone directories, at approximately five-year intervals for the years spanning 1928 through 2017. A copy of the City Directory Abstract is provided in Appendix K.

Listings for Subject Property were identified under the following addresses:

Address	Year	Occupant
86 East 49th Street	2004, 2005	Chafiian, Jonas MD; Custis, Kevin T MD; Fresko, David MD; Jackson, Rosemary M MD; Kalanadhabhatt, Vivekanand MD
	1994, 1997, 2000, 2004	Adamsons, Roland J MD PC
	1994	Dove, Charles; Turoff, Blanche
	1965, 1970, 1973	Isaac Albert Research Inst. of The Jewish Chronic Disease Hosp
	1965	Fish, Sidney
	1934	Jewish Sanitarium for Incurables
830 Rutland Road	1928, 1940, 1945	Signorile, Pasquale

Listings for adjoining and surrounding properties are primarily residential listings, and listings associated with the Kingsbrook Jewish Medical Center, including hospital, radiology, MRI services, and a pharmacy (1994 to 2017). A review of City Directory listings did not identify RECs.

4.6.4 Title Records, Environmental Liens, and Use Limitations

Langan contracted EDR to conduct an Environmental Lien search for the Subject Property. The results of the search, which included a compilation of available data and verification of the findings with the appropriate regulatory authorities, revealed that there are no Environmental Liens or other Activity and Use Limitations (AUL) associated with the Subject Property. The current owner of Lot 1 is noted as Kingsbrook Jewish Medical Center, and the current owner of Lot 5 is Rutland Nursing Home, Inc. A copy of the Environmental Lien Search is provided in Appendix L.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

The site reconnaissance was conducted in a systematic manner focusing on the spatial extent of the Subject Property and then progressing to the adjacent and surrounding properties. The assessment of the adjacent and surrounding properties was limited to identifying, if possible, any indications of past or current use that may involve the use, storage, disposal, or generation of hazardous substances or petroleum products; noting the general type of current use; the general topography of the surrounding area; and providing a general description of adjoining or adjacent structures. The adjacent properties were observed from public rights-of-way. Site reconnaissance photographs that illustrate the current condition of the Subject Property are presented in Appendix A.

5.2 Date and Time of Inspection

The reconnaissance was performed on January 5, 2022 at 10:00 am by Deirdre Casey of Langan. Ms. Casey was accompanied by Mr. Patrick Marsh, a security guard for the Kingsbrook Jewish Medical Center. The weather at the time of the inspection was overcast and raining, and about 35 degrees Fahrenheit. Site reconnaissance photographs are included in Appendix A.

5.3 General Site Setting and Reconnaissance Observations

The Subject Property is improved with two adjoining six- and four-story buildings (Blumberg and LeFrak) along East 49th Street, a six-story building (Masin) along Rutland Road, and a four-story building (Leviton) along Schenectady Avenue. The Subject Property also includes a central courtyard and a vacant security booth along the northern property boundary. The Leviton building is primarily used for office space and on-call rooms. The top two floors of the Masin building are vacant; floors one through four are used for offices, laboratories, and classrooms; and the cellar is used for storage and maintenance shops. The Blumberg and Lefrak buildings consist of ground floor doctor's offices, medical equipment storage, administrative offices, and a dialysis treatment center. Five storage containers, construction materials, and scaffolding were observed adjoining the Leviton building to the north. According to Mr. Marsh, these materials supported ongoing repairs to the Leviton Building façade.

Pits, Ponds, Lagoons

A sewage cleanout pit was observed in the cellar of the Leviton building. The pit was observed to be dry and the sides constructed on concrete; however, soil and debris prevented inspection of the base of the pit.

Pools of Liquid

A damp concrete area was observed beneath a heating ventilation and air conditioning (HVAC) unit in the cellar of the Leviton building. Neither staining nor chemical odors were observed.

Standing water was observed within the maintenance area in the cellar of the Blumberg building near a hot water tank which appeared to have leaking pipes. Neither staining nor chemical odors were observed.

About 1- to 4- inches of standing water was observed in a utility room in the cellar of the Masin building. The water appeared to be leaking from piping attached to the hot water tank and precipitation entering through an open exterior door. Rust-like staining was observed on the concrete slab beneath the leaking pipes; however, neither odor nor evidence of a release of hazardous substances or petroleum were observed.

Storm Drains, Wells, and Cisterns

One drain was observed adjacent to the leaking hot water tank in the cellar of the Blumberg building, two drains were observed in the hallway outside the former boiler room in the cellar of the Masin building, and two clogged floor drains were observed within the boiler room in the cellar of the Masin building. According to Mr. Marsh, the drains connect to the municipal sewer system. The drains appeared to be collecting water from the leaking water tanks at the time of inspection. Odor, staining, or sheen were not observed in or around the drains.

In addition to cellar drains, each building on the Subject Property contained roof drains which appeared to be dry at the time of inspection. Storm drains were identified along the adjoining sidewalks to the northwest and northeast of the Subject Property.

Polychlorinated Biphenyl Transformers and Suspect Equipment

One transformer was observed in the cellar of the Masin building. The transformer was atop concrete legs and appeared to be in good condition. Staining, sheen, or other indications of a release were not observed in the area surrounding the transformer.

Storage Containers, Drums, and Chemical Storage Areas

Chemical storage was observed throughout the Subject Property. The following chemicals were observed: fire extinguishers, elevator gear oil, paint, joint compound, Stoddard solvent plastic cleaner, propylene glycol, sump treatment, lacquer thinner, mineral spirits, paint and varnish remover, flooring adhesive, sanding liquid, drain and lift station cleaner, Teflon lubricant, sodium hydroxide, germicidal bleach, hydrogen peroxide, and isopropyl alcohol. Chemicals were observed to be staged on shelving or atop intact concrete flooring with no staining or other indications of a release.

Three rooms in the cellar of the Masin building contained large quantities of paint in one– to five-gallon containers. Paint was observed on the floor beneath the paint storage area; however, these

releases were observed atop concrete in good condition, with no significant cracks or discontinuities.

One 55-gallon plastic drum of propylene glycol was observed in the former boiler room in the cellar of the Masin building. The drum was staged on a concrete slab which appeared to be in good condition with no staining beneath or around the drum. Four 55-gallon plastic drums of unknown contents were observed staged atop intact roofing material outside the fire exit on the roof of the LeFrak building. One of the drums was positioned on its side; however, all of the drums appeared to be in good condition.

Waste Generation, Storage, and Disposal

Waste generation, storage, and disposal were not observed on the Subject Property at the time of the inspection; however, empty reusable sharps containers with biohazard labels were observed in the sample storage room of the laboratory on the third floor of the Masin building. Mr. Marsh was unaware of the disposal procedures of waste generated by the laboratory. RCRA waste generation was not observed on the Subject Property.

Sumps

One sump was observed in the utility room in the cellar of the Leviton building. About 3 inches of water was observed within the sump pit. Odor, staining, or sheen were not observed in or around the sump. Two sumps were observed in the cellar hallway of the Leviton building. The sumps appeared to be constructed of concrete sides with no drain, and was dry at the time of inspection. Soil and debris prevented inspection of the base of the sumps. Staining or sheen was not observed in or around the sumps.

One sump pit was observed in the former boiler room in the cellar of the Masin building. The sump contained about 1 foot of standing water. The sump pump was active at the time of inspection. Soil and debris prevented inspection of the base of the pit. Odor, staining, or sheen were not observed in or around the sump.

One sump was observed within the maintenance area in the cellar of the Blumberg building. The sump was observed to be constructed of concrete sides with no drain, and was dry at the time of inspection. Soil and debris prevented inspection of the base of the pit. Staining or sheen were not observed in or around the sump.

USTs or ASTs

USTs and ASTs were not observed on the Subject Property.

Stained or Discolored Soil

Stained or discolored soil were not observed on the Subject Property; however, soil stockpiles were observed adjacent to the Blumberg building in the courtyard. The 2021 Phase I ESA (Section 3.3) indicated that stockpiles were related to the previous repair of a buried pressurized steam pipe.

Monitoring Wells or Remedial Activities

Monitoring wells were not observed on the Subject Property; however, two circular patches of concrete were identified on the sidewalk near the entrance to the LeFrak building on East 49th Street. In addition, one monitoring well was observed on the sidewalk across East 49th Street, indicating the potential of previous investigation activities.

Leachate or Seeps

Leachate or seeps were not observed at the Subject Property.

Adjoining and Surrounding Property Uses

The Subject Property is bound to the north by a Rutland Road followed by a residential multi-family housing complex; to the east by East 49th Street followed by a parking lot and gasoline service station; to the south by the southern part of the Kingsbrook Jewish Medical Center campus; and to the west by Schenectady Avenue followed by multi-family residential buildings.

The southeastern adjoining building houses a three-boiler steam generation facility that provides steam heating to buildings throughout the Kingsbrook Jewish Medical Center campus, including for buildings on the Subject Property. The 2021 Phase I ESA indicates this facility previously operated as a coal generation power plant. Flue gas stacks were observed on the roof of the Blumberg building. According to Mr. Jean E. Flerime, a stationary engineer for the Kingsbrook Jewish Medical Center, the boilers are currently fueled by natural gas. A 2,500-gallon diesel AST was observed in the off-site power-generation facility during the time of the site reconnaissance. The AST was inaccessible for inspection at the time of site reconnaissance.

A brick vault and fill port were observed off-site in the courtyard on the southern-adjoining portion of the medical campus. According to Mr. Flerime, the vault contains a 40,000-gallon No. 6 Fuel Oil UST. According to Mr. Flerime, the boilers have been converted to natural gas as a power source and the UST is no longer in use. Based on the results of the 2021 Draft Phase I ESA (Section 3.3) and the off-site location of the UST, it is not considered a REC.

Site Reconnaissance Conclusions

At the time of the site reconnaissance, some rooms were locked and inaccessible. Inaccessible spaces in the building cellars were confirmed not to contain hazardous materials by site personnel. Furthermore, not all areas of the Subject Property were visible during the inspection. This is considered a data gap, discussed further in Section 8.2.

Stockpiles of fill were observed in the central part of the Subject Property in the courtyard adjacent to the Blumberg building. The stockpiled soil was related to the repair of a buried pressurized steam pipe was comprised of historic fill material. The presence of fill at the Subject Property will require implementation of soil handling and management procedures during future site redevelopment; this is considered a BER as it may result in a material cost to the User.

6.0 INTERVIEWS

6.1 Subject Property Owner/Occupant

Mr. Patrick Marsh, a security guard for the Kingsbrook Jewish Medical Center, was interviewed during the site reconnaissance. Mr. Marsh is aware of the current use of the Masin, Blumberg, and LeFrak buildings for laboratories, dialysis water treatment, and laboratory chemical storage. Mr. Marsh is unaware of any chemical spills or leaks that may have occurred relating to the current use of the buildings on the Subject Property, and is unaware of the handling and disposal procedures for laboratory chemicals on the Subject Property.

Mr. Jean E. Flerime, a stationary engineer for the Kingsbrook Jewish Medical Center, was interviewed after the site reconnaissance. Mr. Flerime indicated the Leviton, Masin, and Blumberg buildings were previously heated by individual boilers, and eventually heated by steam generated in the southeastern adjoining building. Steam was generated by three boilers powered by No. 6 fuel oil until about 2017 when boilers were converted to natural gas. A 40,000-gallon No. 6 fuel oil tank, which formerly supported the boilers, remains in-place in the courtyard adjoining the Subject Property to the south.

6.2 Tenants/Operators of Adjacent Properties

Tenants or operators of adjacent properties were not interviewed during the site reconnaissance.

7.0 ADDITIONAL SERVICES

7.1 Radon

Radon is a colorless, odorless radioactive gas that results from the natural breakdown of uranium minerals in soil, rock, and water, which subsequently enters the atmosphere. It can concentrate in buildings, entering through cracks and other penetrations of a building foundation. Some areas are more likely to have elevated concentrations of radon than others, reflecting subsurface lithologic conditions.

The USEPA has established a recommended radon action level of 4.0 pico Curies per liter (pCi/L) for residential properties. According to the USEPA Radon Zone Map, the Subject Property is located in Zone 3, which indicates a predicted average indoor radon screening level less than 2 pCi/L. The NYSDOH maintains a database of radon test results on a local and county level. According to the NYSDOH, 483 radon tests have been conducted in basements in Kings County with results indicating that about 10.1 percent of basements have radon concentrations above the USEPA action level of 4 pCi/L. Based on this information, it is unlikely that elevated levels of radon gas are present at the Subject Property.

7.2 ACM, LBP, and PCBs

A formal survey to identify ACM, LBP, and PCB-containing material was not conducted as part of the Phase I ESA. Based on the construction date of the existing buildings at the Subject Property (1927, 1933 and 1957), it is likely that various building components contain ACM, LBP, and/or PCBs.

8.0 DEVIATIONS AND DATA GAPS

8.1 Deviations

Langan performed a Phase I ESA of the Subject Property utilizing a standard of good commercial and customary practice that is consistent with the ASTM E1527-13 and 40 CFR AAI Rule.

8.2 Data Gaps

In order to address data gaps, additional sources of information may be consulted. According to 40 CFR AAI Rule, Section 312.20 (g), "to the extent there are data gaps (as defined in section 312.10) in the information developed that affect the ability of persons (including the environmental professional) conducting the all appropriate inquiries to identify conditions indicative of releases or threatened releases such persons should identify such data gaps, identify the sources of information consulted to address such data gaps, and comment upon the significance of such data gaps." According to ASTM E1527-13, Section 8.3.2.3, "historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data failure occurs when all standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for the exclusion."

This Phase I ESA was completed with the following data gaps:

- Locked rooms within multiple buildings prevented complete inspection of the Subject Property
- Complete responses to FOIA requests have not been received

It is unlikely that satisfaction of these data gaps would alter the results of the Phase I ESA, therefore they are not considered significant. Should access be provided to these areas and the observations alter the conclusions of this Phase I ESA or additional FOIA information became available that alters the conclusion of this Phase I ESA, an addendum will be issued to this report.

9.0 FINDINGS, OPINIONS, AND CONCLUSIONS

This Phase I ESA was conducted in accordance with ASTM E1527-13 (Standard Practice for ESA: Phase I ESA Process) and the USEPA AAI Rule for the purpose of identifying for the purpose of identifying RECs, historical RECs (HREC), controlled RECs (CREC), and BERs. The Phase I ESA did not identify CRECs or HRECs. The Phase I ESA identified the following one REC, two BERs, and one non-ASTM consideration:

Recognized Environmental Conditions and Business Environmental Risks

REC 1/BER 1 –Soil and Groundwater Impacts Related to Historic Fill at the Subject Property

Soil and groundwater contamination was identified at the Subject Property in a June 2021 Phase II ESI Report. The following compounds were detected in soil at concentrations exceeding applicable NYSDEC Part 375 UU and/or RURR SCO: SVOCs, metals, and pesticides. Additionally, SVOCs were detected in groundwater at concentrations above the NYSDEC TOGS 1.1.1 Class GA SGVs. The contamination identified at the Subject Property above applicable regulatory comparison criteria is considered a REC.

These impacts attributed to the presence of historic fill at the Subject Property, which was dumped and disposed at the Subject Property during the course of its development history. The historic fill is generally characterized as varied-colored, fine- to medium-grained sand with varying amounts of fine gravel, brick, concrete, and glass immediately extending to varying depths of about 6 to 12.5 feet bgs. The presence of historic fill at the Subject Property will require implementation of soil handling and management procedures during future site redevelopment to address excavation, re-use, handling, and off-site disposal, which may result in material cost to the User, therefore, it is also considered a BER.

BER 2 – Petroleum Bulk Storage at the Subject Property

During a geophysical survey conducted in 2021, one geophysical anomaly resembling an UST was identified within the landscaped area between Schenectady Avenue and the northwestern corner of the Leviton building. A fill port and vent pipe were observed in this area during the site reconnaissance. A soil boring and temporary monitoring well location were advanced south-adjacent to the anomaly and evidence of a petroleum release was not identified based on visual, olfactory, and instrumental screening and analytical results. Planned redevelopment activities at the Subject Property will require proper closure and registration of the UST with the NYSDEC PBS unit. Agency coordination and UST removal will result in material cost to the User, therefore this finding is considered a BER.

Non-ASTM Consideration

A Non-ASTM Scope Consideration is identified by ASTM E1527-13 as an environmental issue or condition at a property that parties may wish to assess in connection with commercial real estate

that are outside the scope of ASTM E1527-13. The following non-ASTM consideration was identified for the Subject Property:

The buildings on the Subject Property were constructed in 1927 (LeFrak), 1933 (Blumberg and Leviton) and 1957 (Masin), potentially with ACM, LBP, and PCB-containing materials. An intrusive survey to identify ACM, LBP, and PCB-containing material was not conducted as part of this Phase I ESA. These materials will require proper management (survey and/or abatement, as necessary) during future site redevelopment.

10.0 REFERENCES

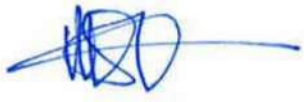
The following references were reviewed as part of this Phase I ESA:

1. City Online Register, http://www.nyc.gov/html/dof/html/jump/acris.shtml, retrieved January 6, 2022.
2. Environmental Data Resources, Inc. January 4, 2022. Aerial Photo Decade Package.
3. Environmental Data Resources, Inc. January 4, 2022. City Directory Abstract.
4. Environmental Data Resources, Inc. January 7, 2022. Environmental Lien Search.
5. Environmental Data Resources, Inc. January 3, 2022. Historical Topographic Map Report.
6. Environmental Data Resources, Inc. January 3, 2022. Radius Map with GeoCheck.
7. Environmental Data Resources, Inc. January 3, 2022. Sanborn Map Report.
8. New York State Department of Health, NYSDOH Basement, First Floor Radon Screening Levels (December 2020), https://www.health.ny.gov/environmental/radiological/radon/towns.htm, retrieved January 3, 2022.
9. New York City Department of Buildings, Building Information System, http://www.nyc.gov/html/dob/html/bis/bis.shtml, retrieved January 3, 2022.
10. New York City Planning Commission, Zoning Map 17b.

11.0 STATEMENT OF QUALIFICATIONS AND SIGNATURES

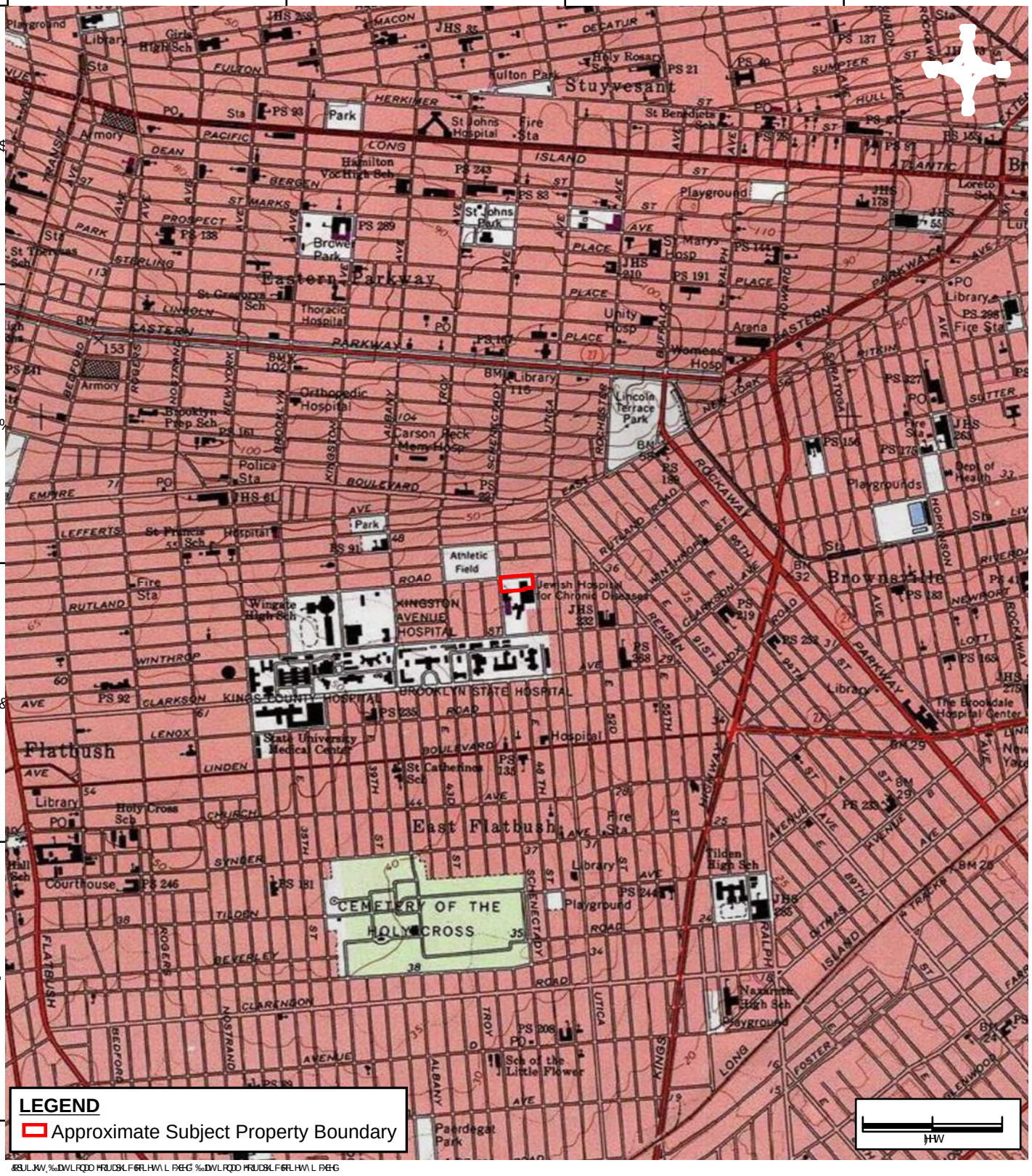
Langan declares that, to the best of its professional knowledge and belief, the personnel who performed this Phase I ESA meet the definition of Environmental Professional as defined in Subsection 312 10 of 40 CFR 312 and that they have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. They have developed and performed the AAIs in conformance with the standards and practices set forth in 40 CFR Part 312. Resumes outlining the qualifications of the Environmental Professionals who performed this Phase I ESA are provided in Appendix M.

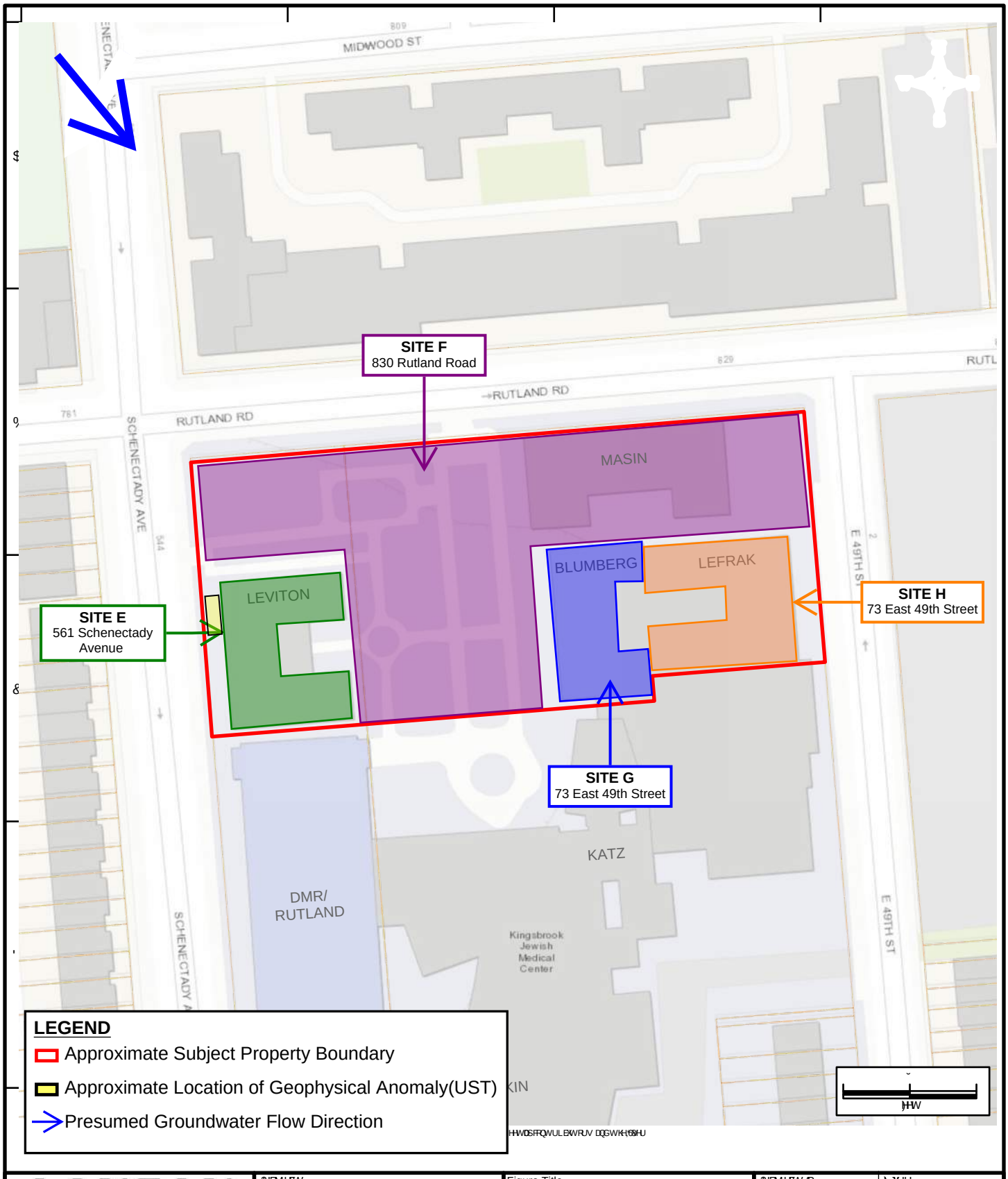
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.



Mimi S. Raygorodetsky
Principal

FIGURES


LEGEND
Approximate Subject Property Boundary
Playground
Library
Girls High Sch
Fulton Park
Stuyvesant
Armory
Park
St Johns Hospital
Fire Sta
Hamilton Voc High Sch
Eastern Parkway
Brower Park
St Johns Park
St Marys Hosp
Unity Hosp
Arana
Womens Hosp
Thoracic Hospital
Orthopedic Hospital
Carson Beck Mem Hosp
Lincoln Terrace Park
Brooklyn Prep Sch
Police Sta
Athletic Field
Jewish Hospital for Chronic Diseases
Wingate High Sch
KINGSTON AVENUE HOSPITAL
BROOKLYN STATE HOSPITAL
KINGS COUNTY HOSPITAL
State University Medical Center
Flatbush
East Flatbush
Holy Cross Sch
Courthouse
CEMETERY OF THE HOLY CROSS
Tilden High Sch
Nazareth High Sch
Sch of the Little Flower
Paerdegat Park
Brownsville
The Brookdale Hospital Center
Playgrounds
Dept of Health
Lefferts
St Francis Hospital
Rutland Road
Winthrop
Clarkson
Lenox
Linden
Church
Snyder
Tilden
Beverley
Clarkngon
Foster
Glenwood
Rockaway
Parkway
Avenue
Boulevard
Ralph
Utica
Troy
Albany
Schenectady
Kingston
Rogers
Flatbush
Bedford
Nostrand
Howard
Buffalo
Rochester
New York
Saratoga
Sutter
Pitkin
Hopkinson
Remsen
Clarkson
Winthrop
Rutland Road
Lefferts
Empire
Eastern
Pacific
Dean
Bergen
Prospect
Sterling
Lincoln
Carroll
Union
Sumpter
Hull
Atlantic
Loretto Sch
Holy Rosary Sch
St Benedicts Sch
St Thomas Sch
St Gregorys Sch
PS 21
PS 93
PS 138
PS 289
PS 83
PS 243
PS 191
PS 144
PS 137
PS 40
PS 298
PS 327
PS 156
PS 276
PS 161
PS 91
PS 92
PS 235
PS 135
PS 246
PS 181
PS 244
PS 208
PS 219
PS 253
PS 165
PS 183
PS 368
JHS 61
JHS 55
JHS 178
JHS 210
JHS 263
JHS 271
JHS 275
JHS 283
JHS 285
BMT
Fire Sta
Library
PO
Sta
Armory
Hospital
Playground
Playground
Playground



LANGAN

VITAL BROOKLYN
SITES E, F, G, AND H

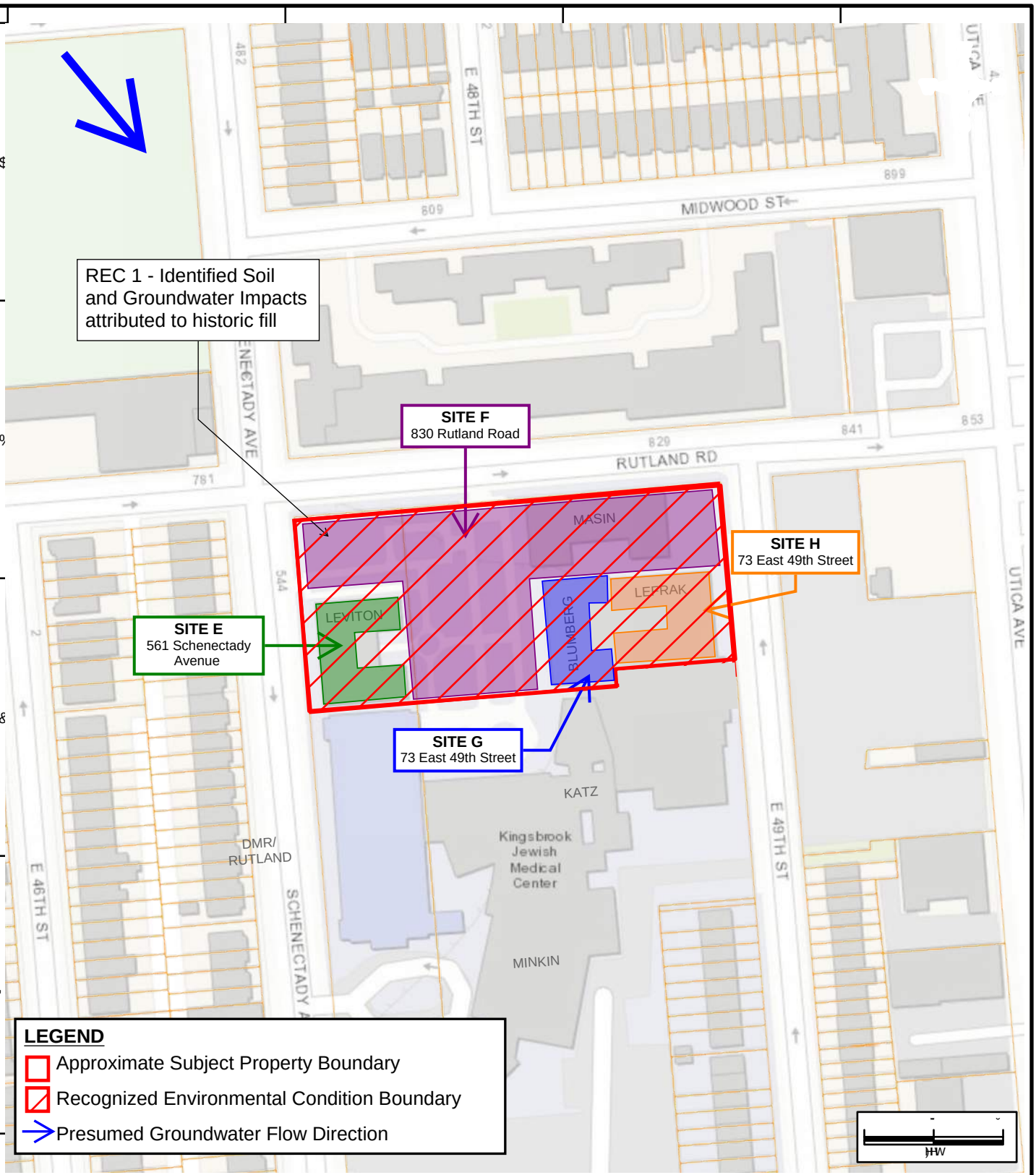
Figure Title

SUBJECT PROPERTY PLAN

DATE 1/7/2022

FIGURE 2

Sheet 2 of 3



LANGAN

VITAL BROOKLYN SITES E, F, G, AND H

Figure Title

RECOGNIZED ENVIRONMENTAL CONDITION MAP

DWH 1/7/2022

OLW

1/7/2022

3

Sheet 3 of 3

APPENDIX A

SITE RECONNAISSANCE PHOTOGRAPHS



Photograph 1: View of the Leviton building and courtyard from the roof of the Masin building (facing southwest)



Photograph 2: View of the Masin building from the courtyard (facing east)



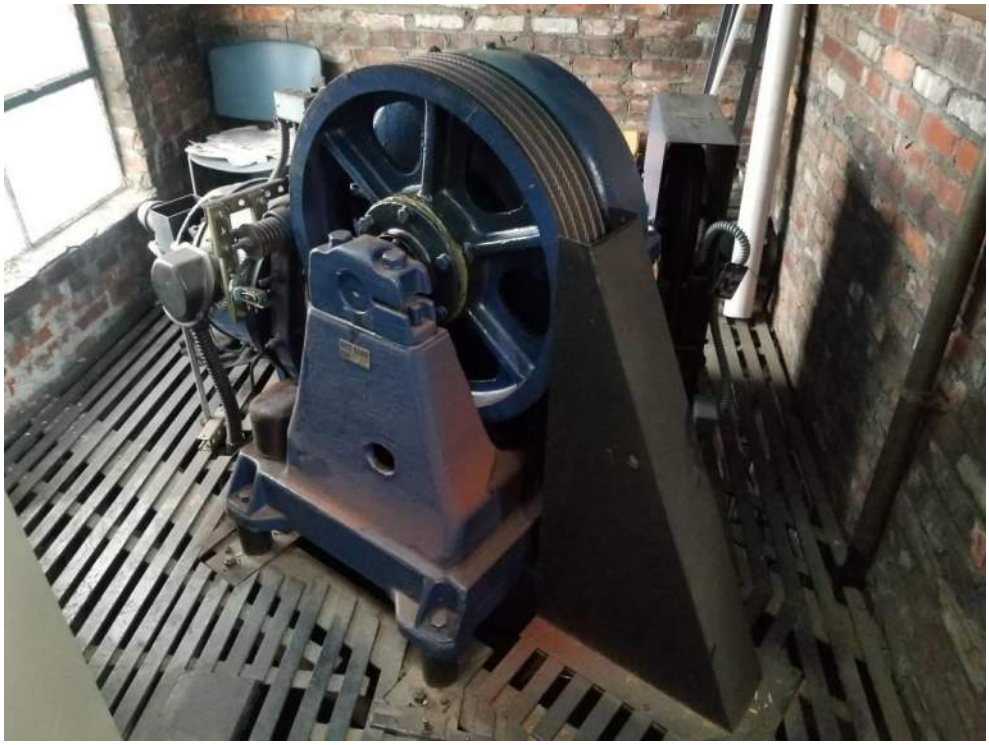
Photograph 3: View of the Blumberg building from the southern adjoining courtyard (facing northeast).



Photograph 4: View of the LeFrak Building from the parking lot across East 49th Street (facing northwest).



Photograph 5: General view of material storage in the cellar of the Leviton Building (facing west).



Photograph 6: View of elevator motor located on the roof of the Leviton building (facing south).



Photograph 7: View of water and rust staining beneath a pump in the cellar of the Leviton building (facing south).



Photograph 8: View of boiler room in cellar of the Leviton building (facing southwest).



Photograph 9: View of sump in the boiler room of the Leviton cellar (facing east).



Photograph 10: View of inactive heating, ventilation, and air conditioning (HVAC) equipment on the roof of the Leviton building (facing northwest).



Photograph 11: View of façade restoration construction material storage adjoining the Leviton building to the north (facing north).



Photograph 12: View of a hallway on the third floor of the Masin building (facing south).



Photograph 13: View of a maintenance shop in the cellar of the Masin building (facing east).



Photograph 14: View of paint storage in the cellar of the Masin building and a release of paint atop the concrete slab (facing west).



Photograph 15: View of a maintenance shop in the cellar of the Masin building (facing east).



Photograph 16: View of paint storage in maintenance area of Blumberg building cellar (facing east).



Photograph 17: Entrance foyer on the ground floor of the Masin building (facing northwest).



Photograph 18: View of paint storage room in cellar of the Masin building (facing south).



Photograph 19: View of plastic 55-gallon drum of propylene glycol in boiler room of Masin cellar (facing southeast).



Photograph 20: View of sump pump in the former boiler room in the cellar of the Masin building (facing south).



Photograph 21: View of leaking pipes in the former boiler room in the cellar of the Masin building (facing north).



Photograph 22: View of leaking boiler in maintenance area of Blumberg building cellar (facing south).



Photograph 23: View of sewer cleanout pit in the cellar of the Blumberg building (facing south).



Photograph 24: View of water tank on roof of Blumberg building (facing northeast).



Photograph 25: View of elevator motor rooms on the roof of the Blumberg building (facing northeast).



Photograph 26: View of elevator motor atop concrete slab in motor room on Blumberg building roof (facing northwest).



Photograph 27: View of two unlabeled plastic 55-gallon drums on the roof of the LeFrak building (facing north).



Photograph 28: View of a staff break room in the cellar of the LeFrak building (facing south).



Photograph 29: View of the LeFrak Building (right), the southeastern adjoining building which contains three steam boilers from the eastern side of East 49th Street (left, facing west).



Photograph 30: View of two of three natural gas powered boilers that provide steam to the Kingsbrook Jewish Medical Center campus, located on the ground floor of the southeastern adjoining building (facing southwest).



Photograph 31: View of a diesel tank fill port on the southeastern adjoining building (facing north).



Photograph 32: View of southern Subject Property boundary between the Leviton building and Rutland Nursing Home (facing south).



Photograph 33: View of stockpiled soil in the courtyard outside of the Blumberg building (facing east).



Photograph 34: General view of southern adjoining courtyard of the Subject Property (facing southwest).



Photograph 35: View of 40,000 gallon No. 6 Fuel Oil underground storage tank (UST) vault and fill port and access hatch on southern adjoining property in courtyard (facing west).



Photograph 36: View of East 49th Street followed by eastern-adjoining parking lot (facing southeast).



Photograph 37: View of northern-adjoining residential property on Rutland Road (facing northwest).



Photograph 38: View of western-adjoining multi-family residential buildings on Schenectady Avenue (facing northwest).

SUBSOIL INVESTIGATIONS

SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L. I., NEW YORK 11783
(516) 221-2333 • FAX (516) 221-0254

February 23, 2023

Monadnock Development LLC
155 3rd Street
Brooklyn, N.Y. 11231
Attn: Dean Oliver

Re: Kingsbrook Estates-Final Report
26A
Brooklyn, New York
Our Job 21-214

Gentlemen:

Forwarded herewith are our findings and recommendations associated with the Geotechnical Investigation we conducted at the referenced site, including Sheets 1 through 4 of our Drawing #21L214A-27.

The study was comprised of drilling twenty-seven (27) test borings, digging one (1) test pit and conducting two (2) permeability (infiltration) tests, at the locations shown on the attached drawings. The physical field work began in November, 2021, and was not completed until January, 2023. This was due to scheduling restrictions imposed by the Operating Facilities Management team, as well as the need to locate and identify the many public and private utilities that service the existing buildings which currently occupy a significant portion of the proposed buildings footprints.

The purpose of the subsurface investigation was to determine the nature and extent of the underlying soil deposits, as well as their engineering characteristics to satisfy the NYC Building Code and structural engineer's requirements for geotechnical data and recommendations needed to design the proposed three (3) new buildings. They are named The Graviola, The Naseberry and The Tamarind. The first two of which will have full cellars. The northern half (approximately) of The Tamarind will have a full cellar while the southern portion will have a crawl space. The buildings range in height from five to six stories.

The borings were performed in accordance with the procedure described in ASTM D-1586. Sample recovery for borings B-1 through B-8, B-12 through B-21 and B-23 and B-24 were obtained using a Central Mine (CME) truck mounted drill rig, hollow stem augers, CME auto trip hammer and a standard 2 inch O.D. split spoon sampler. Sample recovery for borings B-9 through B-11, B-22 and B-25 through B-27, on the other hand, used portable drilling equipment including a motorized cathead, 140 pound drop hammer and a standard 2 inch split spoon sampler. Please note: the CME auto trip hammer operates with an efficiency of approximately 90%. The original conventional use of rope, cathead and 140 lb. drop hammer to advance the standard 2 inch O.D. split spoon sampler operates with an average efficiency of about 60%. As a consequence, the Standard Penetration Test (SPT) results obtained using the CME trip hammer, i.e. recorded number of blows of the hammer to advance the sample spoon each 6 inch increment

SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L. I., NEW YORK 11783
(516) 221-2333 • FAX (516) 221-0254

is about 2/3rds of the value that would have been obtained had the original rope and cathead method been used. This is significant if one uses design charts for soil strength based on historical data associated with the rope and cathead method whose results are now referred to a "N_{60}". If so, one should adjust the auto trip hammer data accordingly.

Ground surface depths across the site are relatively level, varying from elevation 30.0 to 34.6 based on NAVD 88 Datum shown on the topographic drawing provided to us.

Ground water depths encountered at each borehole at the time it was drilled were recorded and are shown on each boring log. The ground water elevations so noted range from a high of 11.2 at B-6 to a low of 7.7 at B-25.

The soil profiles generated by this investigation are described below for each building and best fit that of Site Class "D" utilizing the SPT values method (N) as shown in Table 1613.5.5 (2014 BC).

Based on these profiles and associated ground water table elevations, liquefaction is not likely and is, therefore, not a design consideration.

All exterior building foundations, i.e. footings or pile caps, whichever is applicable, must be founded a minimum of four (4) feet below outside grade to provide frost protection per Code. Exterior grade beams must be founded a minimum of eighteen (18) inches below outside grade per Code.

The structural design of the proposed building should be based on, among other considerations, the following seismic classification; Site Class "D":

1. Mapped maximum considered spectral response for; short periods (Ss) shall be 0.281_g and at one second period (S_1) shall be 0.073_g.

2. Values of Site Coefficients; F_a=1.57; F_v=2.40

The twenty-seven (27) borings drilled to date were distributed throughout the site as follows:

Borings B-1 through B-4, B-22 through B-25 and B-27 (a total of 9 test borings) were located within the footprint area of The Graviola.

Borings B-5 through B-9 (a total of 5 test borings) were located within the footprint area of The Naseberry. Borings B-10 through B-17, B-19 and B-20 (a total of 10 test borings) were located within the footprint area of The Tamarind.

SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L. I., NEW YORK 11783
(516) 221-2333 • FAX (516) 221-0254

Borings B-18, B-21 and B-26 were site borings with B-18 and B-21 also serving as the locations for the percolation (infiltration) tests.

The Graviola:
Accordingly, the footprint area of this proposed building has existing surface elevations at the borehole locations ranging from 30.0 to 32.0. Those areas are blanketed by from 4 to 20 feet of fill, overlying a moderately dense to dense sand formation extending down to the deepest depths drilled. Ground water elevations at these locations ranged from elevation 7.7 to 11.0 at the time they were drilled. The finished cellar floor elevation is noted as 17.42.

The Naseberry:
Accordingly, the footprint area of this proposed building has existing surface elevations at the borehole locations ranging from 30.9 to 31.2. Those areas are blanketed by from 18 to 23 feet of fill, overlying a moderately dense to dense sand formation extending down to the deepest depths drilled. Ground water elevations at these locations ranged from elevation 8.8 to 11.2 at the time they were drilled. The finished cellar floor elevation is noted as 18.25.

The Tamarind:
Accordingly, the footprint area of this proposed building has existing surface elevations at the borehole locations ranging from 31.5 to 34.6. Those areas are blanketed by from 9.5 to 23.3 feet of fill, overlying a moderately dense to dense sand formation extending down to the deepest depths drilled. Ground water elevations at these locations ranging from elevation 8.5 to 10.7 at the time the borings were drilled. The finished cellar floor elevation is noted as 19.67 for the northern half (approximately) of the building. The remaining southern portion of the building as a crawl space with a noted elevation of 26.67.

Infiltration/Drainage site borings (B-18, B-21 and B-26) were drilled from existing grade elevations of 32.2, 32.8 and 32.5 respectively. Those areas are blanketed by from 18 to 23.3 feet of fill, overlying a moderately dense to dense sand formation extending down to the deepest depths drilled. Ground water elevations at these locations ranged from elevation 8.9 to 10.2 at the time they were drilled. Infiltration tests (P-1 and P-2) were conducted in the immediate vicinity of borings B-18 and B-21 respectively. Each location is underlain by approximately 23 feet of fill. The 4" I.D. Pipe casing was driven as directed to a depth of 15 feet at each of the two locations, washed out and filled with water to perform the pre-soak. Upon returning the following day it was noted that the water had no fully discharged. We were then instructed to advance the casing at each location another 5 feet, clean them out and initiate another pre-soak. Upon our return the next day we again noted that the casing still contained significant amounts of water. At that point, we were instructed to withdraw the casings and backfill each hole. These efforts suggest that the "fill" at both locations had poor drainage characteristics. The natural sand formation located below it, on the other hand, has only trace amounts of fines and, therefore, is expected to have good drainage qualities.

SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L. I., NEW YORK 11783
(516) 221-2333 • FAX (516) 221-0254

Three (3) Test Pits were designated to be dug at the locations shown on our drawings. TP-1 and TP-2 were not dug due to either being inaccessible or unsafe. TP-3 was dug and then supplemented by TP-3A to better identify the conditions found. See our Drawing 21L214A-27, Sheet 2 of 2 for details which, in effect, confirms that the existing building is pile supported.

The soil subgrade data presented above was compiled from the twenty-seven (27) borings that we drilled and the two (2) test pits that we dug at the site. All of that work was performed outside the building footprints of the three (3) relatively large buildings that currently occupy the subject property and, therefore, we have no definitive soil data within those footprint areas. We were provided a copy of the Foundation Plan (circa 1972 +/-) for the Rutland Nursing Home which is just south of the proposed Graviola Building. That drawing indicates that that building has a cellar floor elevation of 14 +/- which is likely based on the old Brooklyn datum which is equal to NAVD 88 elevation 15.5 +/-. The drawing also illustrates the presence of pile caps within the footprint of the building to its North. Test Pits TP-3 and TP-3A revealed the presence of a pile cap and grade beams, again indicating that that existing building is also pile supported. That building also occupies a significant portion of the Southern wing of "The Tamarind" which itself will only have a crawl space at elevation 26.67.

The" fill" material encountered at the borehole locations varies in composition and density across the site and, therefore, is not considered suitable as a bearing material for shallow foundations, ie., footings or mats. The natural underlying sand formation, while suitable in composition, has a bearing capacity of 2-1/2 tons per square foot and at many areas of the proposed buildings footprints is located well below its cellar level. We, therefore, do not consider shallow foundations a viable option for support of any proposed buildings.

We recommend, based on our study of all of the data collected during this Geotechnical Investigation that all three (3) of the proposed buildings be supported on deep foundation elements (piles). Driven piles were eliminated from consideration based on the noise and vibration levels associated with their installation, which when factoring in the site's environs and surrounding use, is very undesirable. Therefore, we recommend auger cast concrete piles (also known as hollow stem auger or HSA piles) 14" diameter installed and reinforced to accommodate design working loads of 60 tons in compression, 21 tons in tension at designated locations and 5 tons in lateral capacity. The concrete (grout) should have a 28-day compressive strength of 5,000 psi. NYC Building Code requires a minimum of two (2) successful load tests at each building for each type of loading. The tests should be performed in accordance with ASTM Procedures D-1143, D-3689 and D-3966 for compression, tension and lateral design loads respectively.

SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L. I., NEW YORK 11783
(516) 221-2333 • FAX (516) 221-0254

Note that HSA's can be installed as either a displacement pile or a non-displacement pile. The displacement version generates less spoil in that the auger is designed to push the soil it is drilling through laterally to the side into the surrounding formation, densifying it which increases its friction valve resulting not only in less spoil to dispose of but also a potentially shorter pile. In either case, the installation of this type of pile generates a wet working environment due to spoil and/or grout spillage. The installation should be performed by a specialty contractor with five or more years of experience.

The soil profiles generated by this investigation indicates that the natural soil and/or fill below the proposed buildings cellar level is moderately dense and, therefore, generally suitable for a slab-on-grade cellar floor, which would satisfactorily support a live load of 100 psf and a dead load of 88 psf. However, due to the absence of boring data in much of the footprint areas of the proposed new buildings due to the presence of existing buildings, additional shallow borings or test pits should be performed to investigate the viability of the assumption voiced above. This should be done as soon as possible along with the drilling of at least three (3) additional deep test borings in the footprint area of the Southern most wing of The Tamarind. These deep borings are needed to determine the minimum required length for piles in this area.

Finally, we recommend that since available information suggests that at least some of the existing buildings are pile supported, an effort should be made to survey the locations of all existing piles that are located in close proximity of the new piles to be installed so conflicts can be anticipated and dealt with prior to the start of foundation construction.

TR-1 and TR-4 forms will be provided upon receipt of the formal address of each of the three proposed buildings.

If you have any question, please don't hesitate to contact me.

Very truly yours,

SOIL MECHANICS DRILLING CORP.

Vincent Nantista, P.E.



VN:mlf

B-1

(EL. 30.4'±) GROUND SURFACE

FEET	NO	SB	R	CLASSIFICATION
0	1	1	14"	DK. BRN. ORG. LOAM (OL)(6)
	2	3	13"	DK. BRN. SILTY SAND, TR. GRAVEL, ROOTS (SM)(FILL)(7)
5	3	4	15"	DK. BRN./ DK. GRAY BRN. SAND, SILT, GRAVEL, CINDER, BRICK GLASS, ROOTS, MISC. (FILL)(7)
	4	8	17"	DK. GRAY BRN./ BRN. SILTY SAND, TR. GRAVEL, CINDER (SM)(FILL)(7)
	5	7	19"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
10	6	6	18"	BRN. SAND, LITTLE GRAVEL, TR. SILT (SP)(3b)
15	7	8	19"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
20	8	6	18"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
25	9	5	16"	BRN. M-F SAND, TR. GRAVEL, SILT, COARSE SAND (SP)(3b)
30	10	6	18"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
35	11	6	15"	

END OF BORING 37' - 0"

G.W.T. 11:21am 19'-6"

B-2

(EL. 31.2'±) GROUND SURFACE

FEET	NO	SB	R	CLASSIFICATION
0	1	5	16"	DK. BRN. SILTY SAND, TR. GRAVEL, BRICK, ROOTS (SM)(FILL)(7)
	2	17	17"	DK. BRN./ BRN./ GRAY SAND, SILT, GRAVEL, BRICK (FILL)(7)
5	3	12	12"	DK. BRN./ GRAY BRN. SILTY SAND, TR. GRAVEL, COBBLE, BRICK (SM)(FILL)(7)
	4	19	18"	BRN./ GRAY BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. W/ SILT, TR. SAND (SM-ML)(FILL)(7)
	5	19	19"	BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(3a)
10	6	19	18"	BRN. SAND, LITTLE GRAVEL, SILT, TR. ROCK FRAG. (SP-SM)(3a)
15	7	5	19"	
20	8	5	18"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
25	9	6	19"	
30	10	7	18"	BRN. M-F SAND, TR. GRAVEL, SILT, COARSE SAND (SP)(3b)
35	11	5	17"	
40	12	8	19"	BRN. SAND, TR. GRAVEL, TR. TO LITTLE SILT (SP-SM)(3b)
45	13	10	18"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
50	14	9	14"	
55	15	10	18"	BRN. M-F SAND, TR. SILT (SP)(3b)
60	16	10	20"	BRN. M-F SAND, TR. SILT, COARSE SAND (SP)(3b)
65	17	13	15"	
70	18	12	18"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
75	19	14	17"	
80	20	13	14"	BRN. M-F SAND, TR. SILT, COARSE SAND (SP)(3b)
85	21	18	18"	
90	22	16	19"	BRN. M-F SAND, TR. GRAVEL, SILT (SP)(3a)
95	23	18	17"	BRN. M-F SAND, TR. SILT (SP)(3a)
100	24	20	15"	

END OF BORING 100' - 0"

G.W.T. 10:01am 20'-4"

B-3

(EL. 30.9'±) GROUND SURFACE

FEET	NO	SB	R	CLASSIFICATION
0	1	4	13"	DK. BRN. ORG. LOAM (OL)(6)
	2	5	15"	DK. BRN./ BLK. SILTY SAND, TR. GRAVEL, ROOTS (SM)(FILL)(7)
5	3	5	17"	DK. GRAY/ BLK. SILTY SAND, TR. GRAVEL, BRICK, CINDER, ROOTS (SM)(FILL)(7)
	4	8	18"	BRN./ GRAY BRN. SILTY SAND, TR. GRAVEL, CINDER, BRICK (SM)(FILL)(7)
	5	10	19"	DK. BRN./ DK. BRN. SILTY SAND, TR. GRAVEL, WOOD (SM)(FILL)(7)
10	6	13	19"	BRN. SILTY SAND, TR. GRAVEL, COBBLE (SM)(3a)
15	7	4	17"	BRN. SILTY SAND, TR. GRAVEL, COBBLE (SM)(3a)
20	8	6	19"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
25	9	5	18"	
30	10	8	17"	BRN. M-F SAND, TR. SILT, COARSE SAND (SP)(3b)
35	11	8	19"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)

END OF BORING 37' - 0"

G.W.T. 12:23pm 20'-3"

B-4

(EL. 31.2'±) GROUND SURFACE

FEET	NO	SB	R	CLASSIFICATION
0	1	5	17"	DK. BRN. SILTY SAND, TR. GRAVEL, ROOTS (SM)(FILL)(7)
	2	10	16"	BRN./ GRAY SILTY SAND, TR. GRAVEL, CLAY W/ SANDY CLAYEY SILT, TR. GRAVEL (SM-ML)(FILL)(7)
5	3	6	4"	DK. BRN./ DK. GRAY BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
	4	7	5"	
	5	13	7"	BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(FILL)(7)
10	6	5	17"	BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
15	7	7	16"	BRN. SILTY SAND, LITTLE GRAVEL, TR. ROCK FRAG., THIN ROOTS (SM)(FILL)(7)
20	8	5	18"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
25	9	7	19"	
30	10	8	18"	BRN. M-F SAND, TR. SILT, COARSE SAND (SP)(3b)
35	11	5	19"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)

END OF BORING 37' - 0"

G.W.T. 10:36am 20'-5"

B-5

(EL. 31.2'±) GROUND SURFACE

FEET	NO	SB	R	CLASSIFICATION
0	1	1	14"	DK. BRN. ORG. LOAM (OL)(6)
	2	2	16"	DK. BRN. SILTY SAND LOAM, TR. GRAVEL, ROOTS (OL)(6)
5	3	3	18"	DK. BRN./ BRN./ GRAY BRN. SAND, SILT, GRAVEL, CINDER, ASH, ROOTS (FILL)(7)
	4	4	0"	BRN./ DK. GRAY BRN. SILTY SAND, TR. GRAVEL, BRICK, CINDER, (SM)(FILL)(7)
	5	5	16"	NO RECOVERY
10	6	6	17"	BRN./ DK. BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
15	7	6	14"	BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
20	8	1	18"	BRN. SAND, TR. GRAVEL, SILT (SP)(6)
25	9	5	17"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
30	10	8	18"	BRN. FINE SAND, TR. MED. SAND, TR. TO LITTLE SILT (SP-SM)(3b)
35	11	7	19"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)

END OF BORING 37' - 0"

G.W.T. 11:04am 20'-4"

B-6

(EL. 31.0'±) GROUND SURFACE

FEET	NO	SB	R	CLASSIFICATION
0	1	2	16"	CONCRETE 6"
	2	4	16"	BRN./ DK. BRN./ GRAY BRN. SAND, SILT, GRAVEL, CINDER, ASH, BRICK (FILL)(7)
	3	8	18"	DK. GRAY/ GRAY BRN. SILTY SAND, TR. GRAVEL, THIN ROOTS (SM)(FILL)(7)
5	4	5	10"	NO RECOVERY
	5	8	0"	GRAY BRN. SAND, SILT, GRAVEL, CRUSHED STONE (FILL)(7)
	6	5	4"	GRAY BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
10	7	5	13"	DK. GRAY BRN./ BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
15	8	9	1"	BRN. SAND, SILT, GRAVEL, COBBLE (FILL)(7)
20	9	7	16"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
25	10	8	18"	BRN. M-F SAND, TR. SILT, COARSE SAND (SP)(3b)
30	11	6	19"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
35				

END OF BORING 37' - 0"

G.W.T. 11:56am 19'-9"

B-7

(EL. 30.9'±) GROUND SURFACE

FEET	NO	SB	R	CLASSIFICATION
0	1	1	16"	CONCRETE 5"
	2	4	18"	BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(FILL)(7)
	3	6	17"	
5	4	6	19"	
	5	9	16"	DK. GRAY SILTY SAND, TR. GRAVEL, ROCK FRAG., BRICK (SM)(FILL)(7)
10	6	5	17"	DK. GRAY SILTY SAND, TR. GRAVEL, LITTLE ROCK FRAG. (SM)(FILL)(7)
15	7	8	19"	CONCRETE, DK. GRAY SAND, SILT, GRAVEL, ROCK FRAG. (FILL)(7)
20	8	16	18"	ASPHALT, DK. GRAY/ BLK. SAND, SILT (FILL)(7)
25	9	6	18"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
30	10	7	17"	
35	11	8	19"	BRN. M-F SAND, TR. GRAVEL, SILT, COARSE SAND (SP)(3b)
40	12	9	16"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
45	13	9	18"	BRN. SAND, TR. GRAVEL, SILT (SP)(3a)
50	14	8	20"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)

END OF BORING 52' - 0"

G.W.T. 10:25am 21'-1"

B-8

(EL. 31.2'±) GROUND SURFACE

FEET	NO	SB	R	CLASSIFICATION
0	1	1½	14"	CONCRETE 5"
	2	3	10"	BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(FILL)(7)
	3	3	16"	BRN./ RED BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(FILL)(7)
5	4	2	13"	BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
	5	4	17"	
10	6	23	19"	DK. GRAY/ DK. GRAY BRN. SILTY SAND, TR. GRAVEL, CINDER, BRICK (SM)(FILL)(7)
15	7	10	19"	
20	8	16	19"	DK. GRAY/ BLK. SAND, SILT, GRAVEL, CINDER (FILL)(7)
25	9	6	18"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
30	10	8	18"	
35	11	7	19"	BRN. M-F SAND, TR. SILT, COARSE SAND (SP)(3b)
40	12	8	17"	BRN. M-F SAND, TR. SILT, COARSE SAND (SP)(3a)
45	13	8	17"	BRN. SAND, TR. GRAVEL, SILT (SP)(3a)
50	14	9	19"	

END OF BORING 52' - 0"

G.W.T. 8:32am 20'-10"

B-9

(EL. 31.0'±) GROUND SURFACE

FEET	NO	SB	R	CLASSIFICATION
0	1	4	19"	DK. BRN. SILTY SAND, TR. GRAVEL, ROOTS (SM)(FILL)(7)
	2	6	16"	BRN. M-F SAND, TR. GRAVEL, LITTLE SILT (SP-SM)(FILL)(7)
5	3	9	19"	BRN. SAND, TR. GRAVEL, COBBLE, LITTLE SILT W/ SILTY SAND, TR. GRAVEL, BRICK (SP-SM)(FILL)(7)
	4	12	18"	BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(FILL)(7)
	5	13	20"	BRN. SILTY SAND, TR. GRAVEL, COBBLE, ROCK FRAG., BRICK (SM)(FILL)(7)
10	6	12	19"	BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
	7	26	20"	
15	8	13	18"	BRN. SILTY SAND, TR. GRAVEL BRICK (SM)(FILL)(7)
	9	10	12"	BRN. SILTY SAND, TR. GRAVEL ROCK FRAG. (SM)(FILL)(7)
20	10	7	13"	
	11	8	14"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
25	12	12	16"	
	13	14	11"	BRN. SAND, TR. GRAVEL, SILT (SP)(3a)
30	14	15	10"	
	15	16	15"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
35	16	17	13"	
	17	21	14"	BRN. SAND, TR. GRAVEL, SILT (SP)(3a)
40	18	24		

END OF BORING 36' - 0"

G.W.T. 10:45am 22'-2"

B-10

(EL. 31.5'±) GROUND SURFACE

FEET	NO	SB	R	CLASSIFICATION
0	1	2	10"	DK. BRN. SILTY SAND, TR. GRAVEL, ROOTS (SM)(FILL)(7)
	2	2	9"	BRN. SAND, TR. GRAVEL, TR. TO LITTLE SILT (SP-SM)(FILL)(7)
5	3	3	13"	BRN. M-F SAND, TR. GRAVEL, COARSE SAND, WOOD, TR. TO LITTLE SILT (SP-SM)(FILL)(7)
	4	3	14"	BRN. M-F SAND, TR. GRAVEL, SILT, COARSE SAND (SM)(FILL)(7)
	5	4	14"	BRN. W/ DK. GRAY BRN. SANDY SILTY CLAY, TR. GRVL., ROOTS (CL)(FILL)(7)
10	6	5	16"	BRN./ GRAY BRN. SILT, TR. CLAY, FINE SAND (ML)(5b)
	7	7	17"	BRN./ GRAY BRN. SANDY SILT (ML)(5b)
	8	8	19"	BRN. SILTY SAND, TR. GRAVEL (SM)(3b)
15	9	10	18"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
	10	14	16"	BRN. SAND, LITTLE GRAVEL, TR. COBBLE, SILT (SP)(3b)
20	11	13	17"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
	12	14	14"	BRN. SAND, TR. GRAVEL, SILT (SP)(3a)
25	13	15	17"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
	14	19	13"	
30	15	16	14"	BRN. SAND, TR. GRAVEL, SILT (SP)(3a)
	16	18	15"	
35	17	24		
	18	19	13"	

END OF BORING 36' - 0"

G.W.T. 12:25pm 23'-0"

B-11

(EL. 31.8'±) GROUND SURFACE

FEET	NO	SB	R	CLASSIFICATION
0	1	4	16"	DK. BRN./ DK. GRAY BRN. SANDY SILT, TR. THIN F. ROOTS (ML)(FILL)(7)
	2	8	18"	BRN. FINE SAND, TR. SILT, MED. SAND (SP)(FILL)(7)
5	3	9	19"	LT. BRN./ BRN. F-M SAND, TR. GRAVEL, SILT (SP-SM)(FILL)(7)
	4	7	16"	BRN. SILTY SAND, TR. GRAVEL, BRICK, THIN FINE ROOTS W/ FINE SANDY SILT (SM-ML)(FILL)(7)
	5	8	18"	LT. BRN./ BRN./ FINE SAND, TR. GRAVEL, SILT, MED. SAND (SP)(FILL)(7)
10	6	6	14"	BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
	7	15	15"	BRN. SILTY SAND, TR. GRAVEL, THIN FINE ROOTS (SM)(FILL)(7)
15	8	14	12"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
	9	35	14"	LT. BRN./ BRN. SAND, TR. GRAVEL, COBBLE, SILT (SP)(3a)
	10	17	10"	
20	11	9	15"	LT. BRN./ BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
	12	14	15"	
25	13	12	11"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
	14	16	15"	
30	15	16	12"	BRN. SAND, TR. GRAVEL, SILT (SP)(3a)
	16	17	16"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
	17	16	14"	
35	18	24	11"	BRN. SAND, TR. GRAVEL, TR. TO LITTLE SILT (SP-SM)(3a)

END OF BORING 36' - 0"

G.W.T. 22'-7"

B-12

(EL. 31.2'±) GROUND SURFACE

FEET	NO	SB	R	CLASSIFICATION
0	1	1	14"	DK. BRN. SILTY SAND, TR. GRAVEL, ROOTS (SM)(FILL)(7)
	2	3	16"	BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(FILL)(7)
5	3	4	17"	
	4	5	16"	BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
	5	6	17"	
10	6	7	19"	DK. GRAY/ DK. GRAY BRN. SILTY SAND, TR. GRAVEL, CINDER, BRICK (SM)(FILL)(7)
15	7	9	19"	
20	8	13	19"	BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
25	9	10	18"	
30	10	10	19"	BRN. SILTY SAND, TR. GRAVEL BRICK (SM)(FILL)(7)
35	11	10	18"	BRN. SILTY SAND, TR. GRAVEL ROCK FRAG. (SM)(FILL)(7)
40	12	10	19"	
45	13	11	19"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
50	14	12	19"	

END OF BORING 52' - 0"

G.W.T. 10:45am 20'-10"

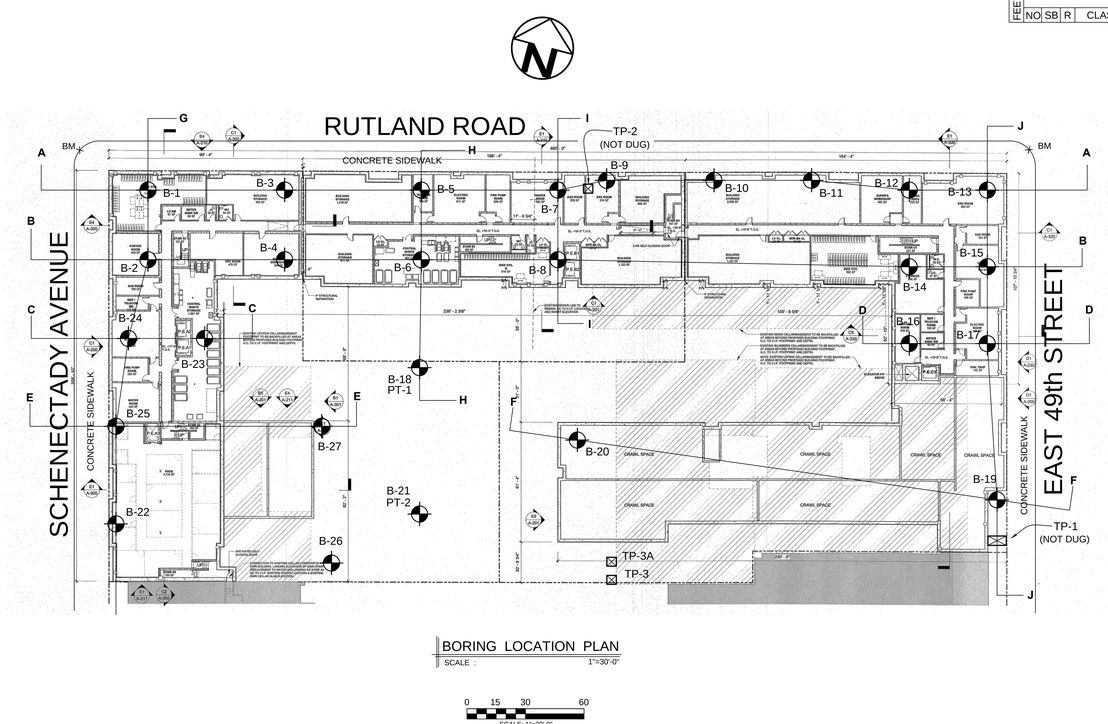
B-13

(EL. 31.0'±) GROUND SURFACE

FEET	NO	SB	R	CLASSIFICATION
0	1	2	19"	DK. BRN. SILTY SAND, TR. GRAVEL, ROOTS (SM)(FILL)(7)
	2	5	16"	BRN. M-F SAND, TR. GRAVEL, LITTLE SILT (SP-SM)(FILL)(7)
5	3	6	19"	BRN. SAND, TR. GRAVEL, COBBLE, LITTLE SILT W/ SILTY SAND, TR. GRAVEL, BRICK (SP-SM)(FILL)(7)
	4	11	18"	BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(FILL)(7)
	5	13	20"	BRN. SILTY SAND, TR. GRAVEL, COBBLE, ROCK FRAG., BRICK (SM)(FILL)(7)
10	6	12	19"	BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
	7	13	20"	
15	8	13	18"	BRN. SILTY SAND, TR. GRAVEL BRICK (SM)(FILL)(7)
	9	10	12"	BRN. SILTY SAND, TR. GRAVEL ROCK FRAG. (SM)(FILL)(7)
20	10	7	13"	
	11	8	14"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
25	12	12	16"	
	13	14	11"	BRN. SAND, TR. GRAVEL, SILT (SP)(3a)
30	14	15	10"	
	15	16	16"	BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
35	16	17	15"	
	17	21	13"	BRN. SAND, TR. GRAVEL, SILT (SP)(3a)
40	18	24	14"	

END OF BORING 36' - 0"

G.W.T. 12:25pm 23'-0"



BORING LOCATION PLAN

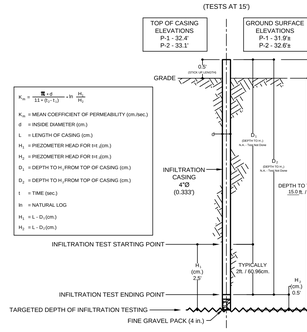
SCALE : 1"=30'-0"

0 15 30 60

SCALE: 1"=30'-0"

PT-1 & PT-2

(TESTS AT 15')



$$K_w = \frac{\pi \cdot d}{11 \cdot (t_2 - t_1)} \cdot \ln \frac{H_1}{H_2}$$

K_w = MEAN COEFFICIENT OF PERMEABILITY (cm./sec.)
d = INSIDE DIAMETER (cm.)
L = LENGTH OF CASING (cm.)
H_1 = PIEZOMETER HEAD FOR tn1 (cm.)
H_2 = PIEZOMETER HEAD FOR tn2 (cm.)
D_1 = DEPTH TO H_1 FROM TOP OF CASING (cm.)
D_2 = DEPTH TO H_2 FROM TOP OF CASING (cm.)
t = TIME (sec.)
ln = NATURAL LOG
H_1 = L - D_1 (cm.)
H_2 = L - D_2 (cm.)

FALLING HEAD INFILTRATION TEST DATA AT PT-1 (15.0') - PRE-SOAK

D_1 N.A. ft. m. cm.
D_2 N.A. ft. m. cm.

RUN No.	TIME (MIN. & SEC.) START (T1)	END (T2)	ELAPSED	COMMENTS
#1	9:25:00am - 12-19-22	9:35:00am - 12-20-22	24 Hours 10 Minutes	6.96' of Water still in Casing
AVERAGE ELAPSE:				(Test Failed)

I.D. OF CASING(D) 4 IN. = 10.16 CM.
DEPTH TO TIP AT BOTTOM OF CASING 15.0 FT. ___ M.

$$K_w = \frac{\pi \cdot d}{11 \cdot (t_2 - t_1)} \cdot \ln \frac{H_1}{H_2}$$

ALL UNITS IN CM. AND SECONDS
K_w = MEAN COEFFICIENT OF PERMEABILITY (CM/SEC) = ____N.A.____

FALLING HEAD INFILTRATION TEST DATA AT PT-2 (15.0') - PRE-SOAK

D_1 N.A. ft. m. cm.
D_2 N.A. ft. m. cm.

RUN No.	TIME (MIN. & SEC.) START (T1)	END (T2)	ELAPSED	COMMENTS
#1	9:45:00am - 12-19-22	10:45:00am - 12-20-22	25 Hours 0 Minutes	10.08' of Water still in Casing
AVERAGE ELAPSE:				(Test Failed)

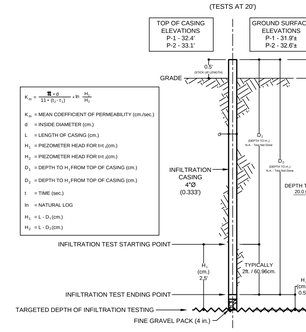
I.D. OF CASING(D) 4 IN. = 10.16 CM.
DEPTH TO TIP AT BOTTOM OF CASING 15.0 FT. ___ M.

$$K_w = \frac{\pi \cdot d}{11 \cdot (t_2 - t_1)} \cdot \ln \frac{H_1}{H_2}$$

ALL UNITS IN CM. AND SECONDS
K_w = MEAN COEFFICIENT OF PERMEABILITY (CM/SEC) = ____N.A.____

PT-1 & PT-2

(TESTS AT 20')



$$K_w = \frac{\pi \cdot d}{11 \cdot (t_2 - t_1)} \cdot \ln \frac{H_1}{H_2}$$

K_w = MEAN COEFFICIENT OF PERMEABILITY (cm./sec.)
d = INSIDE DIAMETER (cm.)
L = LENGTH OF CASING (cm.)
H_1 = PIEZOMETER HEAD FOR tn1 (cm.)
H_2 = PIEZOMETER HEAD FOR tn2 (cm.)
D_1 = DEPTH TO H_1 FROM TOP OF CASING (cm.)
D_2 = DEPTH TO H_2 FROM TOP OF CASING (cm.)
t = TIME (sec.)
ln = NATURAL LOG
H_1 = L - D_1 (cm.)
H_2 = L - D_2 (cm.)

FALLING HEAD INFILTRATION TEST DATA AT PT-1 (20.0') - PRE-SOAK

D_1 N.A. ft. m. cm.
D_2 N.A. ft. m. cm.

RUN No.	TIME (MIN. & SEC.) START (T1)	END (T2)	ELAPSED	COMMENTS
#1	9:30:00am - 12-20-22	9:35:00am - 12-21-22	24 Hours 5 Minutes	14.33' of Water still in Casing
AVERAGE ELAPSE:				(Test Failed)

I.D. OF CASING(D) 4 IN. = 10.16 CM.
DEPTH TO TIP AT BOTTOM OF CASING 20.0 FT. ___ M.

$$K_w = \frac{\pi \cdot d}{11 \cdot (t_2 - t_1)} \cdot \ln \frac{H_1}{H_2}$$

ALL UNITS IN CM. AND SECONDS
K_w = MEAN COEFFICIENT OF PERMEABILITY (CM/SEC) = ____N.A.____

FALLING HEAD INFILTRATION TEST DATA AT PT-2 (20.0') - PRE-SOAK

D_1 N.A. ft. m. cm.
D_2 N.A. ft. m. cm.

RUN No.	TIME (MIN. & SEC.) START (T1)	END (T2)	ELAPSED	COMMENTS
#1	10:55:00am - 12-20-22	11:00:00am - 12-21-22	24 Hours 5 Minutes	6.13' of Water still in Casing
AVERAGE ELAPSE:				

I.D. OF CASING(D) 4 IN. = 10.16 CM.
DEPTH TO TIP AT BOTTOM OF CASING 20.0 FT. ___ M.

$$K_w = \frac{\pi \cdot d}{11 \cdot (t_2 - t_1)} \cdot \ln \frac{H_1}{H_2}$$

ALL UNITS IN CM. AND SECONDS
K_w = MEAN COEFFICIENT OF PERMEABILITY (CM/SEC) = ____N.A.____

UNIFIED SOIL CLASSIFICATION

SOIL GROUPS	TYPICAL NAMES AND SOIL SYMBOLS
GW	WELL GRADED GRAVELS, GRAVEL SAND MIXTURES, LITTLE OR NO FINES
GP	POORLY GRADED GRAVELS OR GRAVEL SAND MIXTURES. LITTLE OR NO FINES
GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURE
GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURE
SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES
SM	SILTY SANDS, SAND - SILT MIXTURES
SC	CLAYEY SANDS, SAND - CLAY MIXTURES
ML	INORGANIC SILTS, VERY FINE SANDS, CLAYEY SILTS, SLIGHT PLASTICITY
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS SANDY CLAYS, SILTY CLAYS
OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
Pt	PEAT AND OTHER HIGHLY ORGANIC SOILS

ALLOWABLE SOIL BEARING PRESSURES, N.Y.C. BLDG. CODE TABLE 1804.1

CLASS OF MATERIALS (Notes 1 & 3) ★	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (TSF)	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (kPa)
1. BEDROCK (NOTES 2 & 7) ★		
1a HARD SOUND ROCK - GNEISS, DIABASE, SCHIST	60	5,746
1b MEDIUM HARD ROCK - MARBLE, SERPENTINE	40	3,830
1c INTERMEDIATE ROCK - SHALE, SANDSTONE	20	1,915
1d SOFT ROCK - WEATHERED ROCK	8	766
2. SANDY GRAVEL & GRAVEL (GW, GP) (NOTES 3, 4, 8, & 9) ★		
2a DENSE	10	958
2b MEDIUM	6	575
3. GRANULAR SOILS (GC, GM, SW, SP, SM, & SC)(NOTES 4, 5, 8, & 9)★		
3a DENSE	6	575
3b MEDIUM	3	287
4. CLAYS (SC, CL, & CH)(NOTES 4, 6, 8, & 9) ★		
4a HARD	5	479
4b STIFF	3	287
4c MEDIUM	2	192
5. SILTS & SILTY SOILS (ML & MH)(NOTES 4, 8, & 9) ★		
5a DENSE	3	287
5b MEDIUM	1.5	144
6. ORGANIC SILTS, ORGANIC CLAYS, PEATS, SOFT CLAYS, LOOSE GRANULAR SOILS, & VARVED SILTS	SEE 1804.2.1 ★	SEE 1804.2.1 ★
7. CONTROLLED & UNCONTROLLED FILLS	SEE 1804.2.2 OR 1804.2.3 ★	SEE 1804.2.2 OR 1804.2.3 ★

★ REFER TO SECTION 1804.2 OR NOTES FOLLOWING TABLE 1804.1 IN THE N.Y.C. BUILDING CODE FOR ADDITIONAL INFORMATION.

COMPACTION RELATED TO SPOON BLOWS PER FOOT

SAND & SILT		CLAY	
LOOSE	LESS THAN 10	SOFT	LESS THAN 4
MEDIUM	10 TO 30	MEDIUM	4 TO 8
DENSE	GREATER THAN 30	STIFF	GREATER THAN 8 TO 30
		HARD	GREATER THAN 30

" N " STANDARD PENETRATION TEST - ASTM D 1586 (2" SPOON, 140lb HAMMER, 30" FALL)

N=17 BLOWS PER FOOT — SPOON BLOW COUNT IS GENERALLY SHOWN IN 6" INCREMENTS FOR 2' DRIVE TO OBTAIN BLOWS PER FOOT (N) USE THE 2ND & 3RD 6" INCREMENT

	ROTARY CASING	EXTRA HEAVY CASING	SAMPLE SPOON
SIZES, INCHES	2.5		2.0
HAMMER WEIGHT, POUNDS			140
HAMMER FALL, INCHES			30

CB - CASING BLOWSPER 1 FOOT DRIVE
SB - SPOON BLOWS PER 6 INCH DRIVE
P - PUSHED BY WE

B-12

(EL. 33.2'±) GROUND SURFACE

DK. BRN. ORG. LOAM (OL)(6)
DK. BRN. SILTY SAND, TR. GRAVEL, ROOTS (SM)(FILL)(7)
DK. BRN. SILTY SAND, TR. GRAVEL, CONCRETE (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
BRN./ GRAY BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(FILL)(7)
GRAY BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(FILL)(7)
GRAY BRN. SILTY SAND, TR. GRAVEL, BRICK (SM)(FILL)(7)
DK. GRAY/ DK. GRAY BRN. SILT, TR. CLAY, SAND (ML)(FILL)(7)
GRAY SILTY CLAY (CL)(4c)
BRN./ LT. GRAY BRN. SILT, W/ FINE SANDY SILT LENSES (ML)(5b)
BRN. SILTY SAND, TR. GRAVEL (SM)(3a)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. SAND, TR. TO LITTLE SILT (SP-SM)(3a)

G.W.T. 9:38am 22'-8"

END OF BORING 37' - 0"

FEET	NO	SB	R	CLASSIFICATION

B-13

(EL. 33.5'±) GROUND SURFACE

DK. BRN. ORG. LOAM (OL)(6)
DK. BRN. SILTY SAND, TR. GRAVEL, ROOTS (SM)(FILL)(7)
DK. BRN. SILTY SAND, TR. GRAVEL, CONCRETE, BRICK, ROCK FRAG., CINDER, ROOTS (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
GRAY BRN./ DK. GRAY BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
DK. GRAY/ DK. GRAY BRN. CLAYEY SILT, TR. SAND (ML)(FILL)(7)
GRAY SILTY CLAY (CL)(4c)
BRN./ LT. BRN. SILTY SAND, TR. GRAVEL (SM)(3a)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. SAND, TR. GRAVEL, ROCK FRAG., LITTLE SILT (SP-SM)(3a)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. M-F SAND, TR. COARSE SAND, TR.TO LITTLE SILT (SP-SM)(3b)

G.W.T. 9:54am 22'-10"

END OF BORING 37' - 0"

FEET	NO	SB	R	CLASSIFICATION

B-14

(EL. 33.4'±) GROUND SURFACE

DK. BRN. ORG. LOAM (OL)(6)
DK. BRN. SILTY SAND, TR. GRAVEL, THIN FINE ROOTS (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
GRAY BRN./ BRN. SAND, SILT, GRAVEL, BRICK, CINDER, ASH, TAR PAPER, MISC. (FILL)(7)
BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
DK. GRAY CLAYEY SILT, TR. SAND, CINDER, ASH (ML)(FILL)(7)
GRAY W/ BRN. SILTY CLAY, TR. CLAYEY SILT LENSES (CL)(4b)
BRN. SAND, TR. GRAVEL, TR. TO LITTLE SILT (SP-SM)(3b)
BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(3b)
BRN. SAND, TR. GRAVEL, TR. COBBLE, LITTLE SILT (SP-SM)(3a)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. M-F SAND, TR. GRAVEL, SILT, COARSE SAND (SP)(3b)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. SAND, TR. SILT (SP)(3b)
BRN. M-F SAND, TR. SILT, COARSE SAND (SP)(3a)
BRN. FINEF SAND, TR. TO LITTLE SILT (SP-SM)(3a)
BRN. FINE SAND, TR. SILT (SP)(3a)
BRN. M-F SAND, TR. GRAVEL, SILT, COARSE SAND (SP)(3b)

G.W.T. 9:40am 22'-8"

END OF BORING 100' - 0"

FEET	NO	SB	R	CLASSIFICATION

B-15

(EL. 33.8'±) GROUND SURFACE

DK. BRN. ORG. LOAM (OL)(6)
DK. BRN. SILTY SAND, TR. GRAVEL, ROOTS (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL, BRICK (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
GRAY BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
BRN. W/ GRAY SAND, TR. GRAVEL, LITTLE SILT (SP-SM)(FILL?)
BRN. SILTY SAND, TR. GRAVEL (SM)(3a)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. SAND, TR. GRAVEL, TR. COBBLE, LITTLE SILT (SP-SM)(3a)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. SAND, TR. GRAVEL, SILT (SP)(3a)
BRN. SAND, TR. GRAVEL, TR. TO LITTLE SILT (SP-SM)(3a)

G.W.T. 11:16am 23'-1"

END OF BORING 37' - 0"

FEET	NO	SB	R	CLASSIFICATION

B-16

(EL. 32.5'±) GROUND SURFACE

DK. BRN. ORG. LOAM (OL)(6)
DK. BRN./ BRN. SILTY SAND, TR. GRAVEL, ROOTS (SM)(FILL)(7)
DK. BRN./ BRN. SAND, SILT,. GRVL., CINDER, GLASS, BRICK (FILL)(7)
GRAY W/ BRN. SILTY CLAY (CL)(4c)
GRAY W/ BRN. CLAY, TR. THIN CLAYEY SILT LENSES (CL)(4c)
BRN./ GRAY BRN. CLAYEY SILT (ML)(5b)
BRN. SILTY SAND, TR. GRAVEL (SM)(3b)
BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(3a)
BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG., COBBLE (SM)(3a)
BRN. SILTY SAND, TR. GRAVEL (SM)(3a)
BRN. SILTY SAND, TR. GRAVEL (SM)(3b)
BRN./ GRAY BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. SAND, TR. GRAVEL, SILT (SP)(3a)

G.W.T. 11:16am 23'-1"

END OF BORING 30' - 0"

FEET	NO	SB	R	CLASSIFICATION

B-17

(EL. 33.7'±) GROUND SURFACE

PERCHED 9:25am 4'-6"

DK. BRN. ORG. LOAM (OL)(6)
DK. BRN. SAND, SILT, GRAVEL, CINDER, ASH, BRICK, ROOTS (FILL)(7)
BRN. SILTY SAND, TR. GRAVEL, CONCRETE, BRICK (SM)(FILL)(7)
BRN. SAND, SILT, GRAVEL, WOOD, ASPHALT, GLASS (FILL)(7)
BRN. SILTY SAND, TR. GRAVEL ASPHALT (SM)(FILL)(7)
LT. GRAY/ GRAY SILTY CLAY, TR. THIN FINE ROOTS (CL)(FILL)(7)
LT. GRAY/ GRAY W/ BRN. SILTY CLAY, TR. FINE SAND (CL)(4c)
LT. GRAY W/ BRN. CLAYEY SILT, TR. FINE SAND (ML)(6)
BRN. SILTY SAND, TR. GRAVEL ROCK FRAG. (SM)(3a)
GRAY/ GRAY BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. M-F SAND, TR. SILT, COARSE SAND (SP)(3a)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. M-F SAND, TR. GRAVEL, SILT, COARSE SAND (SP)(3a)
BRN. SAND, TR. GRAVEL, SILT (SP)(3a)

G.W.T. 10:35am 23'-10"

END OF BORING 52' - 0"

FEET	NO	SB	R	CLASSIFICATION

B-18

(EL. 32.2'±) GROUND SURFACE

DK. BRN. ORG. LOAM (OL)(6)
DK. BRN. SANDY SILT LOAM, TR. ROOTS (SM)(FILL)(7)
DK. GRAY/ DK. BRN./ GRAY BRN. SILTY SAND, TR. GRV., ROCK FRAG. (SM)(FILL)(7)
DK. GRAY/ GRAY BRN./ BRN. SILTY SAND, TR. GRAVEL,CLAY, LITTLE ROCK FRAG. (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG., CONCE, ASPHALT (SM)(FILL)(7)
GRAY/ GRAY BRN. SILTY SAND, TR. GRAVEL, CINDER, CLAY (SM)(FILL)(7)
BRN. FINE SANDY SILT W/ SILTY SAND, TR. GRAVEL (ML-SM)(FILL)(7)
GRAY BRN./ GRAY SILTY SAND, TR. GRAVEL, CINDER, GLASS (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRVL W/ SAND, TR. GRVL, LITTLE SILT (SM)(FILL)(7)
ROCK FRAG., GRAVEL, BRN. SAND, SILT (FILL)(7)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. M-F SAND, TR. GRAVEL, SILT, COARSE SAND (SP)(3b)
BRN. M-F SAND, TR. SILT (SP)(3b)

G.W.T. 11:16am 23'-4"

END OF BORING 52' - 0"

FEET	NO	SB	R	CLASSIFICATION

B-19

(EL. 34.6'±) GROUND SURFACE

DK. BRN. ORG. LOAM (OL)(6)
DK. BRN. SILTY SAND LOAM, TR. GRAVEL, ROOTS (OL)(6)
BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
BRN. SAND, SILT, GRAVEL, BRICK, CONCRETE, COBBLE, ROCK FRAG. (FILL)(7)
BRN. SAND, SILT, GRAVEL, ROCK FRAG. (FILL)(7)
BRN./ LT. BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL W/ SAND, LITTLE SILT (SM)(3b)
BRN./ LT. BRN. SAND, TR. GRAVEL, SILT (SP)(3a)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. SAND, TR. GRAVEL, SILT (SP)(3a)
BRN. M-F SAND, TR. GRAVEL SILT (SP)(3b)

PERCHED 11:54am 8'-9"

G.W.T. 12:16pm 24'-11"

END OF BORING 42' - 0"

FEET	NO	SB	R	CLASSIFICATION

B-20

(EL. 31.1'±) GROUND SURFACE

DK. BRN. ORG. LOAM (OL)(6)
DK. BRN. SILTY SAND, TR. GRAVEL, CONCRETE, ROOTS (SM)(FILL)(7)
AUGERED - OBSTRUCTIONS CONCRETE (2'-3 1/2")(4'-5')
BRN. SILTY SAND, TR. GRAVEL ROCK FRAG. (SM)(FILL)(7)
GRAY BRN. SILTY SAND, TR. GRAVEL, CONCRETE, BRICK (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
GRAY BRN. SILTY SAND, TR. GRAVEL, CINDER, BRICK (SM)(FILL)(7)
BRN./ GRAY BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(FILL)(7)

G.W.T. 11:27am 22'-4"

END OF BORING 100' - 0"

FEET	NO	SB	R	CLASSIFICATION

B-21 1st ATTEMPT

(EL. 32.8'±) GROUND SURFACE

DK. BRN. ORG. LOAM (OL)(6)
DK. BRN./ BRN. SILTY SAND, TR. GRAVEL, CINDER, ROOTS (SM)(FILL)(7)
GRAY BRN. SAND, SILT, GRAVEL, ROCK FRAG., BRICK, CINDER (FILL)(7)
BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
GRAY BRN. SILTY SAND, TR. GRAVEL, CONCRETE, BRICK (SM)(FILL)(7)
BRN./ GRAY BRN. SILTY SAND, TR. GRAVEL, CINDER, BRICK (SM)(FILL)(7)
BRN./ GRAY BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(FILL)(7)

END OF BORING 10' - 0"

FEET	NO	SB	R	CLASSIFICATION

*CABLE WRAPPED AROUND AUGERS STOPPING ROTATION

B-21 2nd ATTEMPT

(EL. 32.8'±) GROUND SURFACE

DK. BRN. ORG. LOAM (OL)(6)
DK. BRN. SANDY SILT LOAM, TR. ROOTS (OL)(6)
DK. BRN. SILTY SAND, TR. GRAVEL, BRICK, ROOTS (SM)(FILL)(7)
BRN./ GRAY BRN. SILTY SAND, TR. GRAVEL,CLAY (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL, CINDER W/ CLAYEY SILT, TR. FINE SAND (SM-ML)(FILL)(7)
BRN./ GRAY/ GRAY BRN. SILTY SAND, TR. GRAVEL, ASPHALT, GLASS (SM)(FILL)(7)
GRAY/ GRAY BRN. SAND, SILT, CINDER, COAL, ASH (FILL)(7)
BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
BRN./ TR. DK. GRAY SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
ASPHALT, DK. GRAY/ BRN. SAND, SILT, GRAVEL, CLAY (FILL)(7)

G.W.T. 9:38am 22'-7"

END OF BORING 52' - 0"

FEET	NO	SB	R	CLASSIFICATION

B-22

(EL. 30.5'±) GROUND SURFACE

DK. BRN. ORG. LOAM (OL)(6)
DK. BRN./ BRN. SILTY SAND, TR. GRAVEL, BRICK, ROOTS (SM)(FILL)(7)
BRN./ DK. GRAY BRN. SILTY SAND, TR. GRAVEL, BRICK, CONCRETE, ASPHALT (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL, THIN ROOTS (SM)(FILL)(7)
BRN. SILTY F-M SAND, TR. THIN ROOTS (SM)(FILL)(7)
BRN. SAND, TR. GRAVEL, ROCK FRAG., COBBLE, TR. TO LITTLE SILT (SP-SM)(3b)
BRN. SAND, TR. GRAVEL, ROCK FRAG., COBBLE, TR. TO LITTLE SILT (SP-SM)(3a)
BRN. SAND, TR. GRAVEL, ROCK FRAG., SILT (SP)(3a)
BRN. SAND, TR. GRAVEL, SILT (SP)(3a)

G.W.T. 11:40am 22'-5"

END OF BORING 30' - 0"

FEET	NO	SB	R	CLASSIFICATION

B-23

(EL. 31.2'±) GROUND SURFACE

CONCRETE 4"
DK. GRAY/ GRAY BRN. SAND, SILT, GRAVEL, CONCRETE, BRICK, CINDER (FILL)(7)
GRAY/ GRAY BRN./ BRN. SILTY SAND, TR. GRVL, BRICK, WOOD (SM)(FILL)(7)
GRAY/ GRAY BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG., CINDER (SM)(FILL)(7)
GRAY BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(FILL)(7)
GRAY BRN. SILTY SAND, TR. GRAVEL, BRICK (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(FILL)(7)
BRN. SAND, TR. GRAVEL, ROCK FRAG., LITTLE SILT (SP-SM)(3a)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. M-F SAND, TR. SILT (SP)(3a)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. FINEF SAND, TR. SILT (SP)(3a)
BRN. FINE SAND, TR. SILT (SP)(3a)
BRN. M-F SAND, TR. GRAVEL, SILT, COARSE SAND (SP)(3b)

G.W.T. 10:43am 21'-9"

END OF BORING 52' - 0"

FEET	NO	SB	R	CLASSIFICATION

B-24 1st ATTEMPT

(EL. 30.8'±) GROUND SURFACE

CONCRETE 6"
DK. GRAY/ GRAY BRN. SAND, SILT, GRAVEL, CONC., ROCK FRAG. (SM)(FILL)(7)
CINDER, BRN. SAND, SILT, GRAVEL (FILL)(7)
BRN./ GRAY BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG., BRICK (SM)(FILL)(7)

100/4"

SPOON REFUSAL @ 5' - 4"

FEET	NO	SB	R	CLASSIFICATION

*CONCRETE OBSTRUCTION - TIP OF SPOON

B-24 2nd ATTEMPT

(EL. 30.8'±) GROUND SURFACE

CONCRETE 5"
BRN./ BRN. SANDY SILT, TR. CLAY, ROOTS W/ SILTY SAND, TR. GRAVEL, ROOTS (ML-SM)(FILL)(7)
BRN./ GRAY BRN. SILTY SAND, TR. GRAVEL, CINDER, LITTLE ROCK FRAG. (SM)(FILL)(7)
BRN./ GRAY BRN. SILTY SAND, TR. GRAVEL, SILT, COARSE SAND (SP)(3a)
BRN. SAND, TR. GRAVEL, SILT (SP)(3a)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. M-F SAND, TR. GRAVEL, SILT, COARSE SAND (SP)(3b)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)

G.W.T. 9:12am 20'-7"

END OF BORING 37' - 0"

FEET	NO	SB	R	CLASSIFICATION

B-25

(EL. 30.0'±) GROUND SURFACE

DK. BRN. ORG. LOAM (OL)(6)
DK. GRAY BRN./ BRN. SILTY SAND, TR. GRAVEL, BRICK, CINDER, CONCR., TILE FRAG. (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL, ROOTS (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL, CONCRETE (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL, LITTLE SILT (SP-SM)(3b)
BRN./ LT. BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN./ LT. BRN. SAND, TR. GRAVEL, SILT (SP)(3a)
BRN. SAND, TR. GRAVEL, ROCK FRAG., SILT (SP)(3b)
BRN. SAND, TR. GRAVEL, TR. TO LITTLE SILT (SP)(3b)
BRN. SAND, TR. GRAVEL, ROCK FRAG., SILT (SP)(3b)
BRN. SAND, TR. GRAVEL, TR. TO LITTLE SILT (SP)(3a)
BRN. SAND, TR. GRAVEL, SILT (SP)(3a)

G.W.T. 10:46am 22'-4"

END OF BORING 30' - 0"

FEET	NO	SB	R	CLASSIFICATION

B-26

(EL. 32.5'±) GROUND SURFACE

DK. BRN. ORG. LOAM (OL)(6)
DK. BRN./ DK. GRAY BRN. SILTY SAND, TR. GRVL, BRICK, ROOTS (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL, CLAY, GLASS (SM)(FILL)(7)
BRN./ DK. GRAY BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG., CINDER, CLAY (SM)(FILL)(7)
GRAY BRN./ BRN. SILTY SAND, TR. GRVL., CLAY, THIN F. ROOTS (SM)(FILL)(7)
BRN. SANDY CLAYEY SILT, TR. GRAVEL (ML)(FILL)(7)
BRN. SANDY CLAYEY SILT W/ SANDY SILT, TR. GRAVEL (ML)(FILL)(7)
BRN. SANDY SILT, TR. GRAVEL CLAY (ML)(FILL)(7)
BRN./ DK. BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. M-F SAND, TR. GRAVEL, SILT, COARSE SAND (SP)(3b)
BRN. M-F SAND, TR. GRAVEL, SILT, COARSE SAND (SP)(3a)
BRN. SAND, TR. GRAVEL, SILT (SP)(3a)
BRN. M-F SAND, TR. SILT (SP)(3b)

G.W.T. 11:45am 21'-0"

END OF BORING 40' - 0"

FEET	NO	SB	R	CLASSIFICATION

B-27

(EL. 32.0'±) GROUND SURFACE

DK. BRN. ORG. LOAM (OL)(6)
DK. BRN. SILTY SAND, TR. GRAVEL, ROOTS, CINDER (SM)(FILL)(7)
BRN./ DK. GRAY BRN. SILTY SAND, TR.GRVL., BRCK, CINDER (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL, BRICK (SM)(FILL)(7)
GRAY BRN./ GRAY SILTY SAND, TR. GRAVEL, COBBLE, BRICK (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL (SM)(FILL)(7)
BRN. SILTY SAND, TR. GRAVEL, COBBLE (SM)(FILL?)
BRN. SILTY SAND, TR. GRVL W/ SAND, TR. GRVL, SILT LENSES (SM-SP)(3b)
BRN. SAND, TR. GRAVEL, SILT (SP)(3b)
BRN. SAND, TR. GRAVEL, SILT (SP)(3a)

END OF BORING 36' - 0"

FEET	NO	SB	R	CLASSIFICATION

UNIFIED SOIL CLASSIFICATION

SOIL GROUPS	TYPICAL NAMES AND SOIL SYMBOLS
GW	WELL GRADED GRAVELS, GRAVEL SAND MIXTURES, LITTLE OR NO FINES
GP	POORLY GRADED GRAVELS OR GRAVEL SAND MIXTURES. LITTLE OR NO FINES
GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURE
GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURE
SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES
SM	SILTY SANDS, SAND - SILT MIXTURES
SC	CLAYEY SANDS, SAND - CLAY MIXTURES
ML	INORGANIC SILTS, VERY FINE SANDS, CLAYEY SILTS, SLIGHT PLASTICITY
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS SANDY CLAYS, SILTY CLAYS
OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
Pt	PEAT AND OTHER HIGHLY ORGANIC SOILS

ALLOWABLE SOIL BEARING PRESSURES, N.Y.C. BLDG. CODE TABLE 1804.1

CLASS OF MATERIALS (Notes 1 & 3) ★	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (TSF)	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (kPa)
1. BEDROCK (NOTES 2 & 7) ★		
1a HARD SOUND ROCK - GNEISS, DIABASE, SCHIST	60	5,746
1b MEDIUM HARD ROCK - MARBLE, SERPENTINE	40	3,830
1c INTERMEDIATE ROCK - SHALE, SANDSTONE	20	1,915
1d SOFT ROCK - WEATHERED ROCK	8	766
2. SANDY GRAVEL & GRAVEL (GW, GP) (NOTES 3, 4, 8, & 9) ★		
2a DENSE	10	958
2b MEDIUM	6	575
3. GRANULAR SOILS (GC, GM, SW, SP, SM, & SC)(NOTES 4, 5, 8, & 9)★		
3a DENSE	6	575
3b MEDIUM	3	287
4. CLAYS (SC, CL, & CH)(NOTES 4, 6, 8, & 9) ★		
4a HARD	5	479
4b STIFF	3	287
4c MEDIUM	2	192
5. SILTS & SILTY SOILS (ML & MH)(NOTES 4, 8, & 9) ★		
5a DENSE	3	287
5b MEDIUM	1.5	144
6. ORGANIC SILTS, ORGANIC CLAYS, PEATS, SOFT CLAYS, LOOSE GRANULAR SOILS, & VARVED SILTS	SEE 1804.2.1 ★	SEE 1804.2.1 ★
7. CONTROLLED & UNCONTROLLED FILLS	SEE 1804.2.2 OR 1804.2.3 ★	SEE 1804.2.2 OR 1804.2.3 ★

★ REFER TO SECTION 1804.2 OR NOTES FOLLOWING TABLE 1804.1 IN THE N.Y.C. BUILDING CODE FOR ADDITIONAL INFORMATION.

COMPACTION RELATED TO SPOON BLOWS PER FOOT

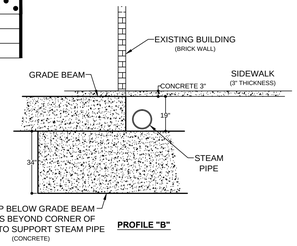
SAND & SILT		CLAY	
LOOSE	LESS THAN 10	SOFT	LESS THAN 4
MEDIUM	10 TO 30	MEDIUM	4 TO 8
DENSE	GREATER THAN 30	STIFF	GREATER THAN 8 TO 30
		HARD	GREATER THAN 30

" N " STANDARD PENETRATION TEST - ASTM D 1586 (2" SPOON, 140lb HAMMER, 30" FALL)

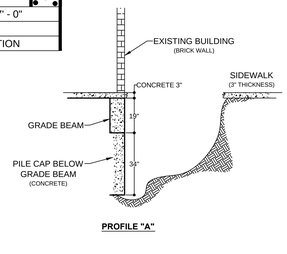
N=17 BLOWS PER FOOT — SPOON BLOW COUNT IS GENERALLY SHOWN IN 6" INCREMENTS FOR 2' DRIVE TO OBTAIN BLOWS PER FOOT (N) USE THE 2ND & 3RD 6" INCREMENT

	ROTARY CASING	EXTRA HEAVY CASING	SAMPLE SPOON
SIZES, INCHES	2.5		2.0
HAMMER WEIGHT, POUNDS			140
HAMMER FALL, INCHES			30

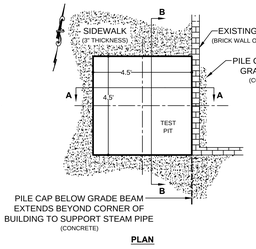
CB - CASING BLOWS/PER 1 FOOT DRIVE
SB - SPOON BLOWS PER 6 INCH DRIVE
P - PUSHED BY WEIGHT OF HAMMER
WOR - WEIGHT OF ROD
UD - UNDISTURBED SOIL SAMPLE
NO - SAMPLE NUMBER
FEET - DEPTH FROM GND. SUR. NOTED AT EACH 5'
WOH - WEIGHT OF HAMMER (INCLUDES ROD)



PROFILE "B"

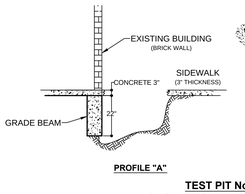


PROFILE "A"

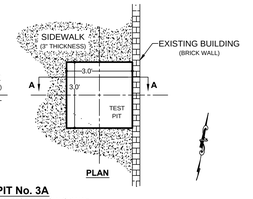


PLAN

TEST PIT No. 3
BOTTOM OF TEST PIT AT 56" BELOW GRADE



PROFILE "A"



PLAN

TEST PIT No. 3A
BOTTOM OF TEST PIT AT 25" BELOW GRADE

NOTES:

1. - SOIL DESCRIPTIONS ARE BY VISUAL EXAMINATION OF SOIL SAMPLES RECOVERED DURING DRILLING OPERATIONS.
2. - SOIL DESCRIPTIONS ARE IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.
3. - GROUND WATER WAS MEASURED INSIDE THE DRILL CASING AT THE COMPLETION OF EACH BOREHOLE.
4. - SOIL STRATIFICATIONS ARE ACCURATE TO WITHIN TWO FEET VERTICALLY.
5. - SURVEY & ELEVATIONS WERE REFERENCED FROM TITLE SURVEY PREPARED BYLOUIS W. REUTER, JR., INC. REDATED OCT. 20, 1998.
6. - SOIL SAMPLES FOR BORINGS #1-8, #12-21, & #23-#24 WERE OBTAINED USING A STANDARD 2" O.D. SPLIT SPOON SAMPLER ADVANCED INTO THE SOIL FORMATION VIA THE USE OF A CENTRAL MINE EQUIPMENT (CME) SPT AUTO-TRIP HAMMER (140lb. HAMMER & 30" DROP).
7. - SOIL SAMPLES FOR BORINGS #9-11, #22, & #25-27 WERE OBTAINED USING A STANDARD 2" O.D. SPLIT SPOON SAMPLER ADVANCED INTO THE SOIL FORMATION VIA THE USE OF A MOTORIZED CATHEAD, ROPE, & 140lb. HAMMER & 30" DROP.
8. - BORINGS DRILLED ARE IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE REQUIREMENTS.

SOIL MECHANICS DRILLING CORP.
subsoil investigations
3770 MERRICK ROAD * SEAFORD, NEW YORK 11783 * 516 - 221-2333

KINGSBROOK ESTATES - #585 SCHENECTADY AVENUE
- SUBSURFACE INVESTIGATION -
BROOKLYN, NEW YORK

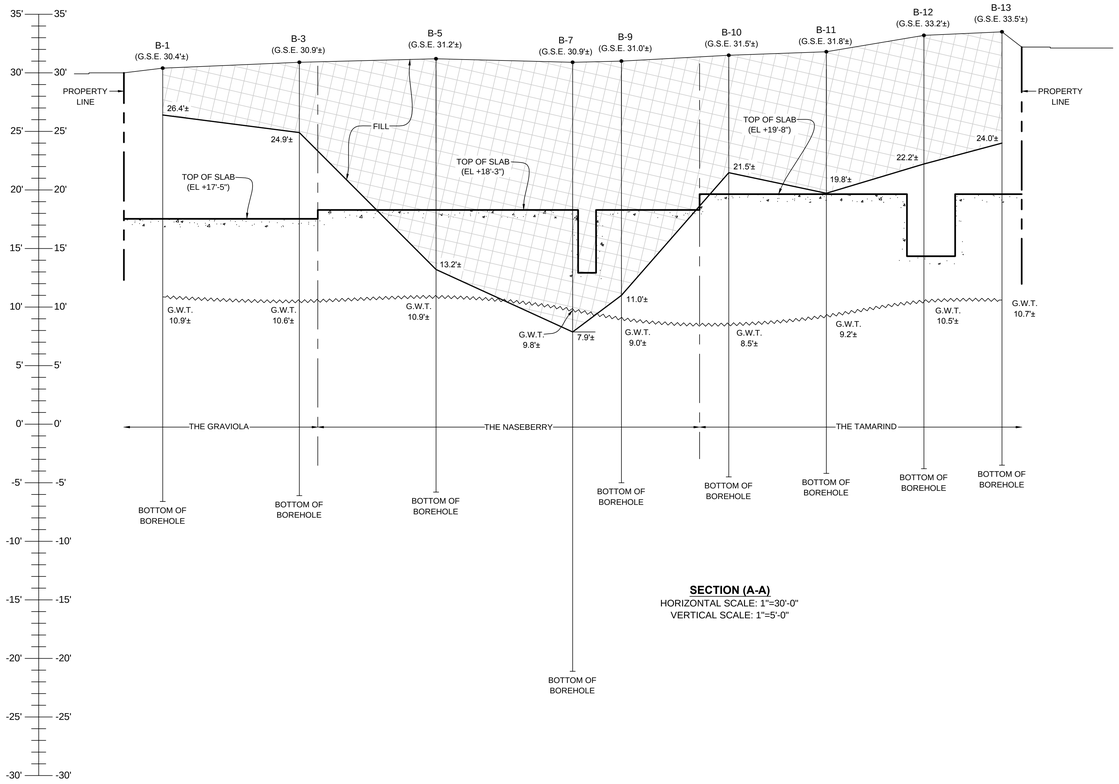
PROJECT
KINGSBROOK ESTATES
#585 SCHENECTADY AVENUE,
BROOKLYN, NEW YORK

BORING PLAN
(GROUND SURFACE)

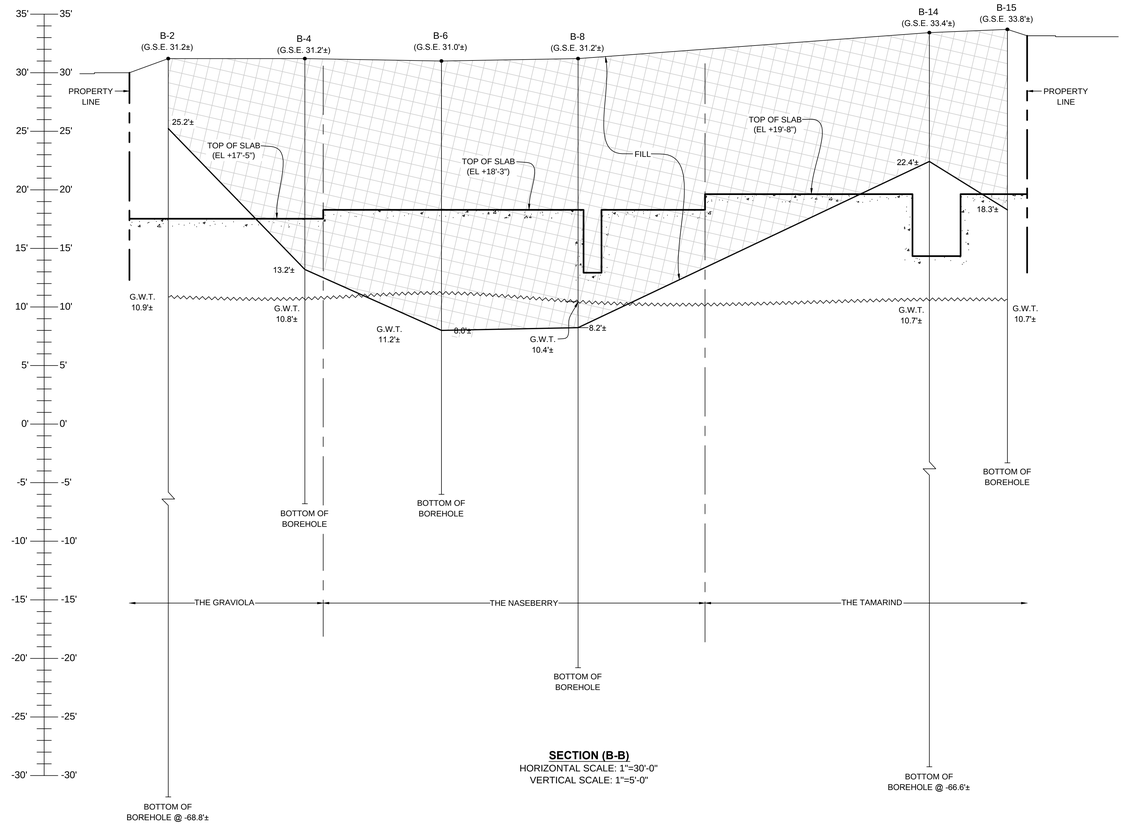
VERTICAL BORING SCALE: 1/4"=1'-0"	DRAWING DATE: DECEMBER 8, 2022		DRAWING NUMBER: 21L214A-27
DATES OF BORING: NOVEMBER 28, 2021 thru JANUARY 9, 2023	DWN. BY: JMR	CKD. BY: VN	SHEET 2 OF 4.

STATE OF NEW YORK — JOSEPH M. REUTER — 43097 — LICENSED PROFESSIONAL ENGINEER

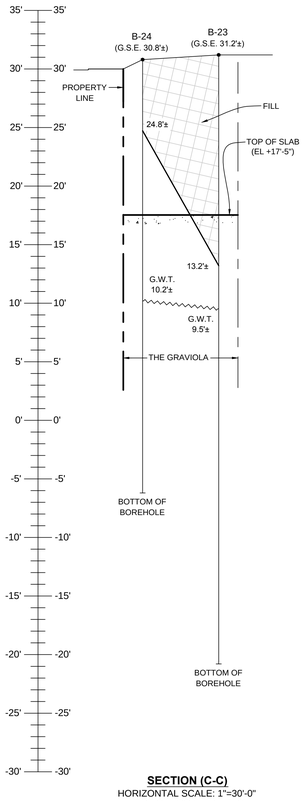
DATE:	DECEMBER 8, 2022
PROJECT No:	21L214A-27
DRAWING BY:	JMR
CHK. BY:	VN
DWG No:	B-002.00
	2 OF 4



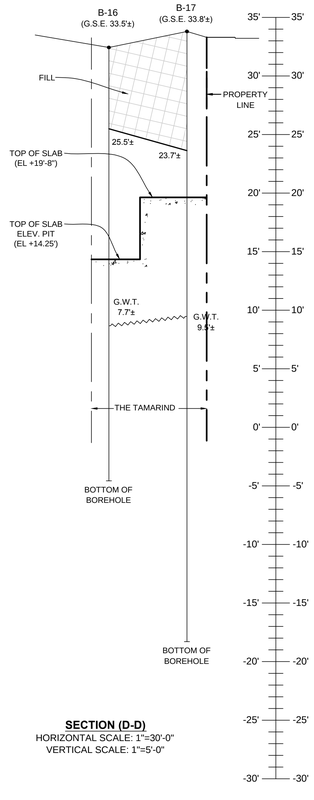
SECTION (A-A)
HORIZONTAL SCALE: 1"=30'-0"
VERTICAL SCALE: 1"=5'-0"



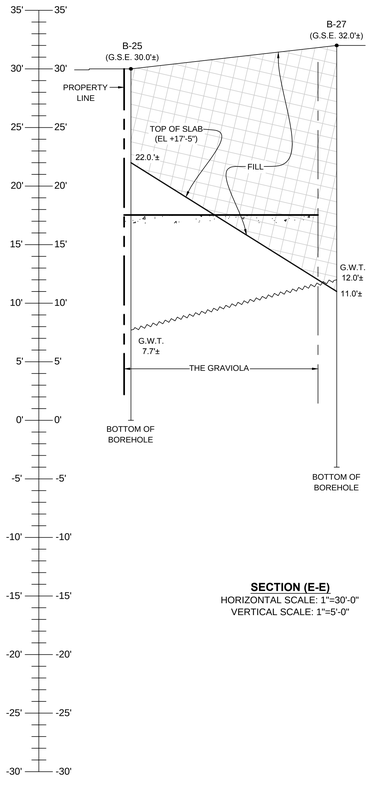
SECTION (B-B)
HORIZONTAL SCALE: 1"=30'-0"
VERTICAL SCALE: 1"=5'-0"



SECTION (C-C)
HORIZONTAL SCALE: 1"=30'-0"
VERTICAL SCALE: 1"=5'-0"



SECTION (D-D)
HORIZONTAL SCALE: 1"=30'-0"
VERTICAL SCALE: 1"=5'-0"



SECTION (E-E)
HORIZONTAL SCALE: 1"=30'-0"
VERTICAL SCALE: 1"=5'-0"

NOTE:
PROFILES SHOWN WERE GENERATED BASED ON THE ASSUMPTION THAT THE FILL DEPTH VARIES LINEARLY FROM BOREHOLE TO BOREHOLE. THIS MAY NOT REFLECT THE ACTUAL FIELD CONDITIONS THAT EXIST OR MAY BE ENCOUNTERED

SOIL MECHANICS DRILLING CORP.
subsoil investigations
3770 MERRICK ROAD * SEAFORD, NEW YORK 11783 * 516 - 221-2333

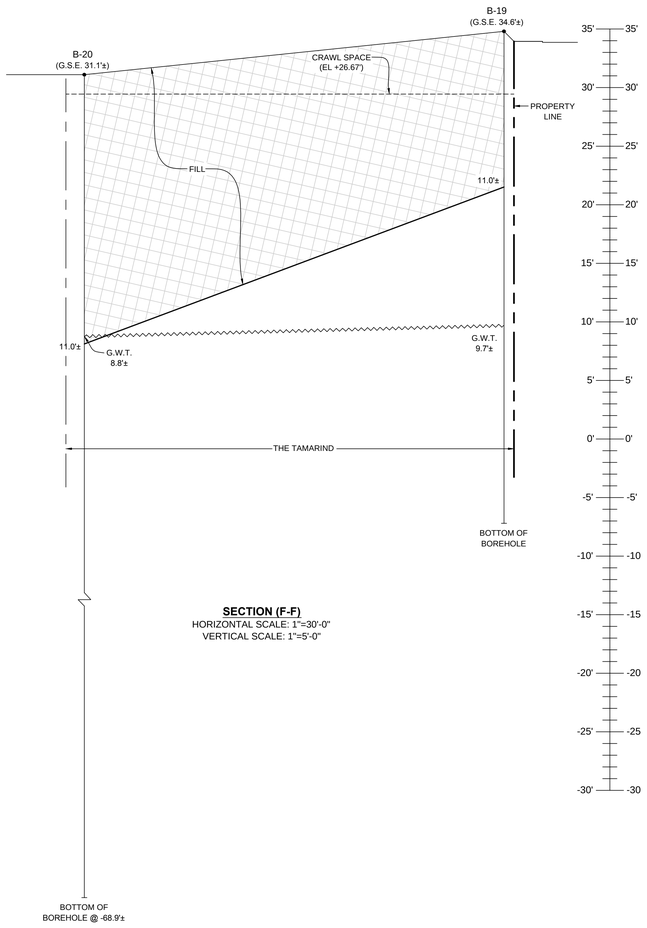
KINGSBROOK ESTATES - #585 SCHENECTADY AVENUE
- SUBSURFACE INVESTIGATION -
BROOKLYN, NEW YORK

SECTION SCALE(S):	SITE PLAN SCALE	DRAWING DATE	DRAWING NUMBER
H.1"=30'-0" V.1"=5'-0"	1"=50'-0"	FEBRUARY 21, 2023	21L214A-27
DATES OF BORING: NOVEMBER 2021-DECEMBER 2022		DWN. BY: JMR CKD. BY: VN	SHEET 3 OF 4.

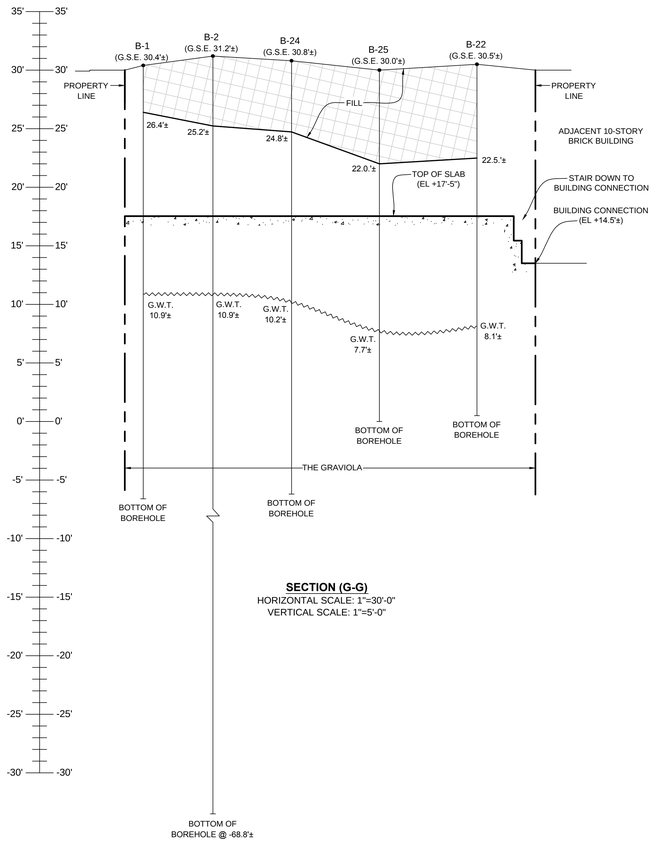
PROJECT
KINGSBROOK ESTATES
#585 SCHENECTADY AVENUE,
BROOKLYN, NEW YORK

SECTION PLAN
(GROUND SURFACE)

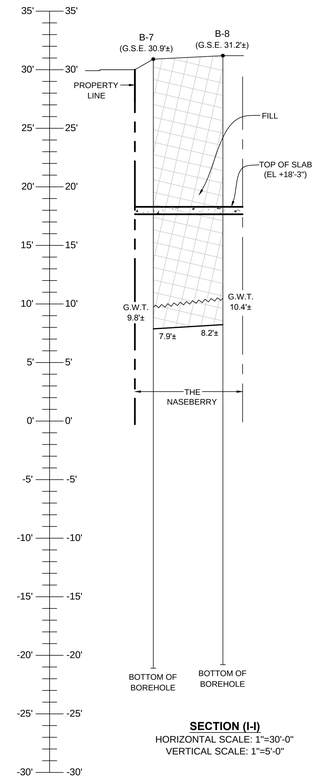
DATE:	FEBRUARY 21, 2023
PROJECT No:	21L214A-27
DRAWING BY:	JMR
CHK BY:	VN
DWG No:	B-003.00



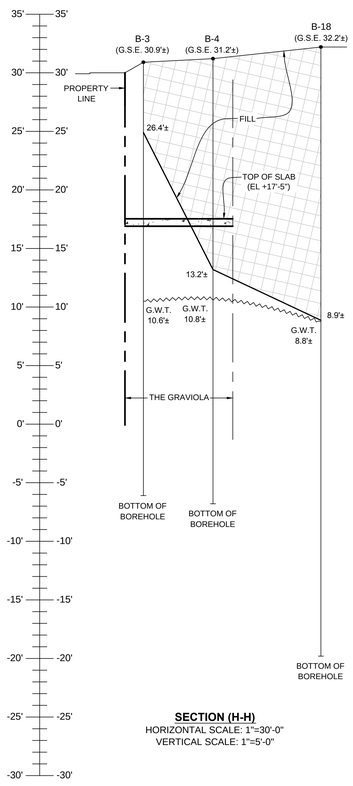
SECTION (F-F)
HORIZONTAL SCALE: 1"=30'-0"
VERTICAL SCALE: 1"=5'-0"



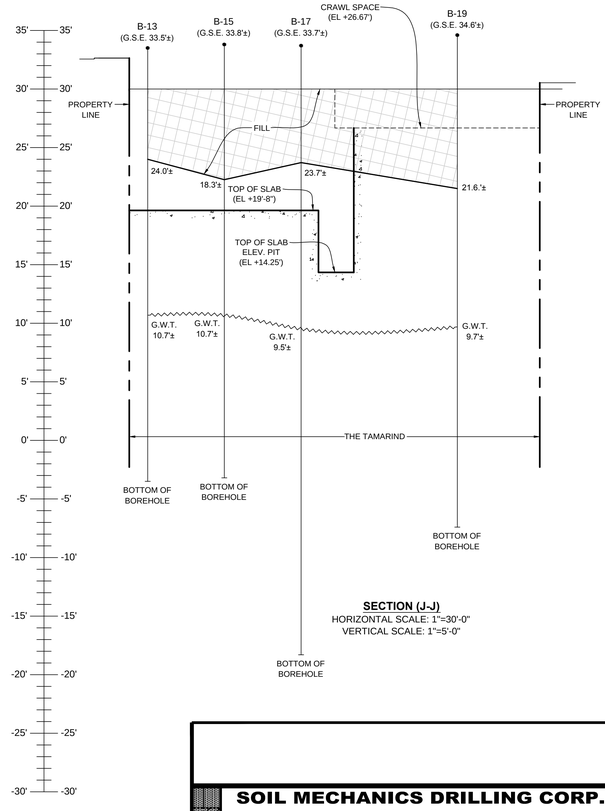
SECTION (G-G)
HORIZONTAL SCALE: 1"=30'-0"
VERTICAL SCALE: 1"=5'-0"



SECTION (I-I)
HORIZONTAL SCALE: 1"=30'-0"
VERTICAL SCALE: 1"=5'-0"



SECTION (H-H)
HORIZONTAL SCALE: 1"=30'-0"
VERTICAL SCALE: 1"=5'-0"



SECTION (J-J)
HORIZONTAL SCALE: 1"=30'-0"
VERTICAL SCALE: 1"=5'-0"

NOTE:
PROFILES SHOWN WERE GENERATED BASED ON THE ASSUMPTION THAT THE FILL DEPTH VARIES LINEARLY FROM BOREHOLE TO BOREHOLE. THIS MAY NOT REFLECT THE ACTUAL FIELD CONDITIONS THAT EXIST OR MAY BE ENCOUNTERED

SOIL MECHANICS DRILLING CORP.
subsoil investigations
3770 MERRICK ROAD * SEAFORD, NEW YORK 11783 * 516 - 221-2333

KINGSBROOK ESTATES - #585 SCHENECTADY AVENUE
- SUBSURFACE INVESTIGATION -
BROOKLYN, NEW YORK

SECTION SCALE(S):	SITE PLAN SCALE:	DRAWING DATE	DRAWING NUMBER
H-1"=30'-0" V-1"=5'-0"	1"=50'-0"	FEBRUARY 21, 2023	21L214A-27
DATES OF BORING		DWN. BY: JMR / CKD. BY: VN	SHEET 4 OF 4.
NOVEMBER 2021-DECEMBER 2022			

PROJECT

KINGSBROOK ESTATES
#585 SCHENECTADY AVENUE,
BROOKLYN, NEW YORK

SECTION PLAN
(GROUND SURFACE)

STATE OF NEW YORK — VINCENT NANTZ — 43097 — LICENSED PROFESSIONAL ENGINEER

DATE:	FEBRUARY 21, 2023
PROJECT No:	21L214A-27
DRAWING BY:	JMR
CHK. BY:	VN
DWG No:	B-004.00